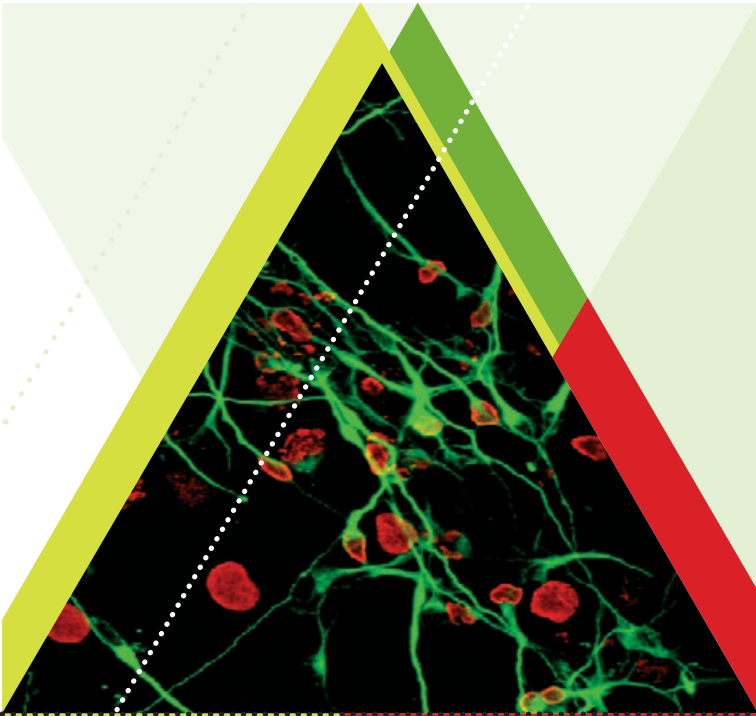


Program



**Eighth Göttingen Meeting of the  
German Neuroscience Society**

**March 25 – 29, 2009**

# Neuroscience

*Neurochemistry*

*Drug Discovery*

*Custom Labeling*

*Signal Transduction*

*Pharmacology*

*Physiology*

*Custom Syntheses*

[www.biotrend.com](http://www.biotrend.com)

**BIO**  <sup>®</sup>  
**TREND**

**BIOTREND Chemikalien GmbH**

**Im Technologiezentrum Köln**

**Eupener Str. 157**

**D-50933 Köln**

**Tel. +49 221 949 83 20**

**Fax. +49 221 949 83 25**

**[jaeger@biotrend.com](mailto:jaeger@biotrend.com)**



# Program

8<sup>th</sup> GÖTTINGEN MEETING OF THE GERMAN  
NEUROSCIENCE SOCIETY

32<sup>th</sup> GÖTTINGEN NEUROBIOLOGY  
CONFERENCE

March 25 - 29, 2009



F · S · T<sup>®</sup>

FINE SCIENCE TOOLS



## EXTRAORDINARY CRAFTSMANSHIP.

Fine Science Tools is committed to serving the world's scientific and biomedical research communities with a full range of precision surgical and micro-surgical instruments. Unparalleled quality and customer service has made us the leading global distributor of fine European surgical tools.

[finescience.de](https://www.finescience.de)

+49 (0) 6221 905050

FINE SURGICAL INSTRUMENTS FOR RESEARCH™

## Table of Contents

Welcome Address	4
Acknowledgement	6
Exhibitors	8
Exhibition Floor Plan	18
List of Advertisers	20
Awards	22
Young Investigator Stipends	24
Committees and Organization	26
General Information	28
Map of Göttingen	29
Scientific Program	37
Neurowissenschaftliche Gesellschaft e.V.	48
Plenary Lectures	50
Satellite Symposia	52
Symposia	56
Explanation of Abstract Numbers	104
Poster Topics	105
Poster Contributions	109
Authors' Index	197
Keyword Index	231
Participants' Addresses	245
Program at a glance	312



## Welcome Address

It is a great pleasure for us to welcome you to the 8<sup>th</sup> Göttingen Meeting of the German Neuroscience Society.

Since the initial Neurobiology Conference in Göttingen, initiated and organized by the late Otto Creutzfeldt (1927 – 1992) together with Ernst Florey (1927 – 1997) in 1973 as a small expert meeting, the conference has steadily grown in size and significantly broadened its spectrum. It now covers all research fields in Neurosciences up to translational aspects in Clinical Neurology.

With many high-ranking proposals for symposia and excellent suggestions for keynote speakers, it was again a difficult job for the organizing committee to select the contributions that you will now find in the final program. We are very happy and pleased that we could allure such high profile scientists for our meeting and we look very much forward to their presentations. In this context, we would like to especially highlight the featured lectures like the Roger-Eckert Lecture, the Ernst-Florey Lecture and the Otto-Creutzfeldt Lecture which have already a long standing tradition at the conference, and the 2<sup>nd</sup> Zülch-Lecture that was introduced last year to cover the field of translational clinically oriented Neuroscience.

However, the meeting would not be successful without the plethora of contributions by young researchers, which present and discuss their findings in front of their posters. We have received well over 950 poster submissions, many of which are first-authored by young scientists. We thank all of them for their interest in the meeting and their invaluable contributions. Since we have again such a large amount of poster presentations we will have two poster sessions on Thursday, Friday and Saturday each. In addition to that, we will have also two lectures being given by two young neuroscientists who have been awarded one of the scientific prizes of the German Neuroscience Society, the Agilent Technologies price for excellent achievements in developing novel techniques in neuroscience, and the Schilling-Forschungspreis of the German Neuroscience Society, which is donated by the Schilling Foundation.

We would like to take this opportunity to deeply thank these two institutions and all the other sponsors, especially the companies, which present their products in the hall for their generous support of the meeting. Without them many amenities like the free buffets and the party night would not have been possible! We also thank the University of Göttingen for providing the conference center for the meeting and in particular the Deutsche Forschungsgemeinschaft (DFG) which approved our grant application to support the meeting and allowed us to invite many internationally renowned scientists to this conference. Last but not least, we would like to thank all the other volunteers who helped to organize

this conference in many ways and who make this conference enjoyable for all of us.

Unfortunately, Kerstin Krieglstein, who successfully organized the last meetings of the German Neuroscience Society together with her team, left Göttingen in 2007. Therefore, it was necessary to establish a new organization team in Göttingen for this year's conference. Inga Zerr and her coworkers from the Prion Research Group in the Department of Neurology in Göttingen took over this task. Their engagement and the help of the Berlin office, namely Annika Buchheister and Meino Gibson, allowed us to continue the local tradition of this meeting.

The contents of the meeting will again be provided on CD. In addition to that this program booklet is available. The CD, which contains the abstracts is a supplement to Neuroforum and thus citable. Furthermore, an itinerary planner is available on the meeting website (<http://www.nwg-goettingen.de/2009/>) which allows a creation of individual timetables.

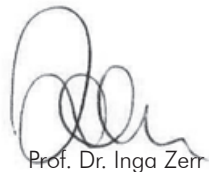
Finally, we would like to announce that there will be no meeting in Göttingen in 2010. All participants are asked to contribute in this year to the FENS meeting which will be held in Amsterdam from July 3 through 7, 2010, organized by the Dutch Neurofederation. We hope that you will support this conference as much as the last FENS Forum in Geneva, which was a great success also due to the many excellent contributions from Germany.

Hope to see you there and at the next German Neuroscience Society Meeting 2011 in Göttingen. Unfortunately, the dates for this conference are not available yet since the University of Göttingen will change its teaching schedule from semesters to trimesters and the final schedule is not fixed so far. We will provide this information as soon as possible on the NWG website.

Now we wish you a great conference and a pleasant stay in Göttingen



Prof. Dr. Mathias Bähr



Prof. Dr. Inga Zerr



## Acknowledgement

The German Neuroscience Society (NWG) and the organizers of this meeting gratefully acknowledge the collaboration and the financial support of the following partners:

Deutsche Forschungsgemeinschaft (DFG)

Bereich Humanmedizin  
Georg-August-Universität Göttingen

Herrmann und Lilly Schilling-Stiftung für  
medizinische Forschung im Stifterverband für die  
Deutsche Wissenschaft, Essen

Agilent Technologies GmbH, Gräfenfing

Gertrud Reemtsma Stiftung

Roger Eckert Fund, Göttingen

and Guido Nikkhah, Freiburg,  
for providing the cover figure.





INTELLIGENT  
IMAGING  
INNOVATIONS

## ***Solutions for Advanced Fluorescence Microscopy***

### **Systems**

- ***Marianas™*** – Fluorescence Imaging Workstation for multi-dimensional live cell imaging, tailored to specific applications
- ***Marianas™ SDC*** – Spinning Disk Confocal Workstations for fast and long term live cell imaging
- ***Vivo™*** – turn-key system designed specifically for the most demanding intravital imaging applications
- ***Vivo™ 2p*** - high-speed multiphoton imaging of live animals and tissue. Using a resonant scanner, it can collect images at speeds up to 60 frames per second.

### **System Options and add-ons:**

- ***scanning FRAP and instantaneous FRAP*** (photoablation, photoactivation, photoconversion)
- ***FLIM*** – upgrade any system with our integrated frequency domain lifetime imaging setup to do widefield FLIM, TIRF-FLIM, SDC-FLIM
- ***TIRF*** - fast, affordable, multi-color TIRF
- ***Motorized Spherical Aberration Correction Optics*** – considerably improve the quality of 3D widefield and 3D confocal images

Systems.Hardware.Software.Solutions.

Intelligent Imaging Innovations GmbH  
Königsallee 9-21, 37081 Göttingen, Germany  
3ieurope@intelligent-imaging.com



## Exhibitors

The conference is generously supported by:

**ADInstruments GmbH** (Booth No. 32)  
Reichartshäuser Berg 3, 74937 Spechbach  
[www.adinstruments.com](http://www.adinstruments.com)

**Agilent Technologies** (Booth No. 53)  
Lochhamer Schlag 19, 82166 Gräfelfing  
[www.agilent.com](http://www.agilent.com)

**Agntho's** (Booth No. 50)  
Pyrolavägen 3, 18160 Lidingö, Sweden  
[www.agnthos.se](http://www.agnthos.se)

**AGOWA GmbH** (Booth No. 22)  
Ostendstr. 25, TGS Haus 8, 12459 Berlin  
[www.lgc.co.uk/genomics](http://www.lgc.co.uk/genomics)

**Alpha Omega GmbH** (Booth No. 6)  
Ubstadter Str. 28, 76698 Ubstadt-Weiher  
[www.alphaomega-eng.com](http://www.alphaomega-eng.com)

**Aperio Technologies** (Booth 108)  
1360 Park Center Dr., Vista, Ca 92081, USA  
[www.aperio.com](http://www.aperio.com)

**Appli Chem GmbH** (Booth No. 51)  
Ottoweg 4, 64291 Darmstadt  
[www.applichem.com](http://www.applichem.com)

**Ascent Scientific** (Booth No. 38)  
Unit 68, Gazelle Road, Weston-Super-Mare,  
BS24 9ES, UK  
[www.ascentscientific.com](http://www.ascentscientific.com)

**Bayer Vital GmbH** (Booth No. 4)  
Rosdorfer Weg 9, 37073 Göttingen  
[www.bayervital.de](http://www.bayervital.de)

**Bernstein Network Computational Neuroscience**  
Hansa Str. 9a, 79104 Freiburg  
[www.nncn.de](http://www.nncn.de)

**Bilaney Consultants GmbH** (Booth No. 33)  
Schirmerstr. 23, 40211 Düsseldorf  
[www.Bilaney.de](http://www.Bilaney.de)

**Bio Trend Chemikalien GmbH** (Booth No. 14)  
Eupener Str. 157, 50933 Köln  
[www.biotrend.com](http://www.biotrend.com)

**BIOMOL GmbH** (Booth No. 15)  
Waidmannstr. 85, 22769 Hamburg  
[www.biomol.de](http://www.biomol.de)

## ELC Series

Versatile All-in-One Amplifiers



**ELC-03XS**



**ELC-01X**



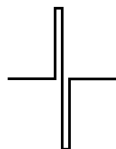
**ELC-03M**

Juxtacellular filling of dyes and DNA, extra- and intracellular recordings, whole-cell patch clamp in CC or VC mode, single cell stimulation and electroporation, and iontophoresis

.....  
**EXT-02F** Two-channel extracellular amplifier with filters, audio monitor and optional headstages



.....  
**ISO STIM01D** Stimulus Isolator without batteries,  $\pm 100V$ ,  $\pm 10$  mA, bipolar stimulus generation



npi electronic GmbH

Hauptstrasse 96, D-71732 Tamm, Germany  
Phone +49 (0)7141-9730230; Fax: +49 (0)7141-9730240  
support@npielectronic.com; <http://www.npielectronic.com>



**Biozol Diagnostica Vertrieb GmbH** (Booth No. 20)  
Obere Hauptstr. 10b, 85386 Eching  
[www.biozol.de](http://www.biozol.de)

**Bitplane AG** (Booth No. 7)  
Badener Str. 682, 8048 Zürich, Switzerland  
[www.bitplane.com](http://www.bitplane.com)

**Carl Zeiss Microlmaging GmbH** (Booth No. 47)  
Standort Göttingen, Königsallee 9 – 21, 37081 Göttingen  
[www.zeiss.de/mikro-workshops](http://www.zeiss.de/mikro-workshops)

**Charles River** (Booth No. 19)  
Sandhofer Weg 7, 97633 Sulzfeld  
[www.criver.com](http://www.criver.com)

**Deutsche Forschungsgemeinschaft (DFG)** (Booth No. 1)  
Kennedyallee 40, 53175 Bonn  
[www.dfg.de](http://www.dfg.de)

**dianova GmbH** (Booth No. 28)  
Warburgstr. 45, 20354 Hamburg  
[www.dianova.de](http://www.dianova.de)

**Digitimer Ltd.** (Booth No. 27)  
37 Hydeway, Welwyn Garden City AL7 3BE, UK  
[www.digitimer.com](http://www.digitimer.com)

**Experimetria Ltd.** (Booth No. 107)  
87 Podmaniczky St., Budapest, 1062, Hungary  
[www.experimetria.com/](http://www.experimetria.com/)

**Fine Science Tools GmbH** (Booth No. 41)  
Im Weiher 12, 69121 Heidelberg  
[www.finescience.de](http://www.finescience.de)

**flyion GmbH** (Booth No. 111)  
Waldhaeuserstrasse 64, 72076 Tuebingen  
[www.flyion.com](http://www.flyion.com)

**Gatan GmbH** (Booth No. 21)  
Ingolstädter Str. 12, 80807 München  
[www.gatan.com](http://www.gatan.com)

**Hamamatsu Photonics Deutschland GmbH** (Booth No. 2)  
Arzbergerstr. 10, 82211 Herrsching  
[www.hamamatsu.de](http://www.hamamatsu.de)

**HEKA Elektronik Dr. Schulze GmbH** (Booth No. 26)  
Wiesenstr. 71, 67466 Lambrecht  
[www.heka.com](http://www.heka.com)

**HISS Diagnostics GmbH** (Booth No. 12)  
Colombistr. 27, 79098 Freiburg  
[www.hiss-dx.de](http://www.hiss-dx.de)

## Single Electrode High Speed Voltage/Patch Clamp Amplifiers



### Optional features of npi's SEC amplifiers

- **VCcCC** option:  
Voltage **C**lamp controlled **C**urrent **C**lamp  
Ref.: Sutor et al. (2003), Pflügers Arch. 446:133-141
- **DHC** option:  
Dynamic **H**ybrid **C**lamp  
Ref.: Dietrich et al. (2002), J.Neurosci.Meth. 116:55-63
- **MODULAR** option (**SEC-03M**):  
Versatility of Single Electrode Clamping in  
modular design for maximum flexibility
- **LINEAR** option:  
**VCx1**: reduced noise for small currents  
**CC/VCx10**: electroporation of dyes and DNA

### Other npi electronic instruments

- Two Electrode voltage clamp amplifiers
- Temperature control systems
- Bridge-/Intracellular amplifiers
- Extracellular amplifiers
- Modular system
- Low pass Bessel filters
- Fast iontophoretic drug application systems
- Fast pneumatic drug application systems
- Automatic chlorider
- ALA Scientific perfusion systems and accessories**
- EXFO Burleigh micropositioners**
- Scientifica PatchStar and LBM-7  
micromanipulators**
- Scientifica posts and platforms**

### npi electronic GmbH

Hauptstrasse 96, D-71732 Tamm, Germany  
 Phone +49 (0)7141-9730230; Fax: +49 (0)7141-9730240  
 support@npielectronic.com; <http://www.npielectronic.com>



**IBA GmbH** (Booth No. 29)  
Rudolf-Wissell-Str. 28, 37079 Göttingen  
[www.iba-go.com](http://www.iba-go.com)

**inomed Medizintechnik GmbH** (Booth No. 105)  
Tullastr. 5a, 79331 Teningen  
[www.inomed.com](http://www.inomed.com)

**Intelligent Imaging Innovations GmbH** (Booth No. 52)  
Königsallee 9 – 21, 37081 Göttingen  
[www.intelligent-imaging.com](http://www.intelligent-imaging.com)

**LaVision BioTec GmbH** (Booth No. 5)  
Meisenstr. 65, 33607 Bielefeld  
[www.lavisionbiotech.com](http://www.lavisionbiotech.com)

**Lehmanns Fachbuchhandlung** (Booth No. 101-103)  
Weender Str. 87, 37073 Göttingen  
[www.LOB.de](http://www.LOB.de)

**Leica Mikrosysteme Vertrieb GmbH** (Booth No. 35/36)  
Ernst-Leitz-Str. 17 – 37, 35578 Wetzlar  
[www.leica-microsystems.com](http://www.leica-microsystems.com)

**LI-COR Bioscience GmbH** (Booth No. 54)  
Siemensstr. 25, 61352 Bad Homburg  
[www.licor.com](http://www.licor.com)

**Lohman Research Equipment** (Booth No. 43)  
Am Fördertum 9, 4475 Castrop-Rauxel  
[www.lohres.de](http://www.lohres.de)

**Luigs & Neumann Feinmechanik + Elektrotechnik GmbH** (Booth No. 39)  
Boschstraße 19, 40880 Ratingen  
[www.luigs-neumann.com](http://www.luigs-neumann.com)

**Metris B.V.** (Booth No. 37)  
Kruisweg 25, 2132 NG Hoofddorp, The Netherlands  
[www.metris.nl](http://www.metris.nl)

**Microbrightfield Europe e.K.** (Booth No. 16)  
Matthissonstr. 6, 39108 Magdeburg  
[www.mbfbioscience.com](http://www.mbfbioscience.com)

**Millipore GmbH** (Booth No. 109)  
Am Kronberger Hang 5, 65824 Schwalbach  
[www.millipore.com](http://www.millipore.com)

**Miltenyi Biotec GmbH** (Booth No. 11)  
Friedrich-Ebert-Str. 68, 51429 Bergisch Gladbach  
[www.miltenyibiotec.com](http://www.miltenyibiotec.com)

**Multichannel Systems** (Booth No. 48)  
Aspenhastr. 21, 72770 Reutlingen  
[www.multichannelsystems.com](http://www.multichannelsystems.com)

# Scientifica

## Precise Micromanipulation

### PatchStar



The PatchStar is a high precision, stable and motorized manipulator, controlled by a cube or a PatchPad Lite. It offers a resolution of 20 nm, less than 1  $\mu\text{m}$  drift in 2 hours, 4 axes of motion (three real, one virtual) and is electrically silent.

## Variable Mounting

Rigid Post and Platforms, Manual or Motorized XY-Stages, or Motorized Movable Top Plates with 50 Memory Positions



## Other Scientifica Instruments

- ⇒ LBM-7 Manual Manipulator
- ⇒ Robust Slice Platforms for Upright and Inverted Microscopes
- ⇒ PatchPro Integrated Patch Clamping Solution
- ⇒ SliceMaster, FibreMaster Complete Systems

Distributed by



**npi electronic GmbH, Hauptstrasse 96**  
**D-71732 Tamm, Germany**  
**[www.npielectronic.com](http://www.npielectronic.com), [sales@npielelectronic.com](mailto:sales@npielelectronic.com)**



**Narishige International Ltd.** (Booth No. 8)  
Unit 7, Willow Business Park, Willow Way, London DE26  
4QP, UK  
[www.narishige.co.jp/nil](http://www.narishige.co.jp/nil)

**NDI Europe GmbH** (Booth 18)  
Fritz-Reichle-Ring 2, 78315 Radolfzell  
[www.ndieurope.com](http://www.ndieurope.com)

**Neurostar GmbH** (Booth No. 40)  
Dachsklingeweg 17, 71067 Sindelfingen  
[www.neurostar.de](http://www.neurostar.de)

**Nikon GmbH** (Booth No. 3)  
Tiefenbroicher Weg 25, 40472 Düsseldorf  
[www.nikon-instruments.com](http://www.nikon-instruments.com)

**Noldus Information Technology** (Booth No. 49)  
Nieuwe Kanaal 5, 5700 AG Wageningen, Netherlands  
[www.noldus.com](http://www.noldus.com)

**npi electronic GmbH** (Booth No. 46)  
Hauptstr. 96, 71732 Tamm  
[www.npielectronic.com](http://www.npielectronic.com)

**Olympus Deutschland GmbH** (Booth No.10)  
Wendenstraße 14-18, 20097 Hamburg  
[www.olympus.de](http://www.olympus.de)

**Perimed AB** (Booth No. 55)  
Datavägen 9A, SE-175 26 Järfälla-Stockholm, Sweden  
[www.perimed.se](http://www.perimed.se)

**R & D Systems GmbH** (Booth No. 13)  
Borsigstr. 7, 65205 Wiesbaden  
[www.rndsystems.com](http://www.rndsystems.com)

**Rapp OptoElectronic GmbH** (Booth No. 24)  
Gehlenkamp 9a, 22559 Hamburg  
[www.rapp-opto.com](http://www.rapp-opto.com)

**Science Products GmbH** (Booth No. 42)  
Hofheimer Str. 63, 65719 Hofheim  
[www.science-products.com](http://www.science-products.com)

**SensoMotoric Instruments GmbH** (Booth No. 112)  
Warthestr. 21, 14513 Teltow  
[www.smivision.com](http://www.smivision.com)

**Sigma-Aldrich Chemie GmbH** (Booth No. 25)  
Eschenstr. 5, 82024 Taufkirchen  
[www.sigmaaldrich.com](http://www.sigmaaldrich.com)

**Stoelting Europe** (Booth No. 23)  
1a Dartmouth Terrace, Ranelagh, Dublin 6, Ireland  
[www.stoeltingeurope.com](http://www.stoeltingeurope.com)



# Noldus

Information Technology

## Analyze this!



New:  
**EthoVision XT**

**Innovative  
solutions  
for behavioral  
research**

**Noldus Information Technology bv**  
Wageningen, The Netherlands  
E-mail: [info@noldus.nl](mailto:info@noldus.nl)

**Noldus Information Technology Inc.**  
Leesburg, VA, U.S.A.  
E-mail: [info@noldus.com](mailto:info@noldus.com)

[www.noldus.com](http://www.noldus.com)

**EthoVision** - Video tracking system for automation of behavioral experiments such as mazes, forced swim test, novel object recognition task, and many more.

**CatWalk**- Gait analysis system for assessment of locomotor deficits and pain syndromes in rats and mice.

**PhenoTyper** - Video-based observation system for continuous and automated assessment of rodent behavior.

**The Observer XT** - Behavior recording for live or video-based observation. Integrated physiological measurements. Also available on handheld computers.



**Sutter Instrument Co.** (Booth No. 104)  
1 Digital Drive Novato, Ca 94949, USA  
[www.sutter.com](http://www.sutter.com)

**Synaptic Systems GmbH** (Booth No. 44)  
Rudolf-Wissell-Str. 26, 37079 Göttingen  
[www.sysy.com](http://www.sysy.com)

**Thermo Scientific** (Booth 110)  
Industriezone III, Industrielaan 27 , 9320 Erembodegem,  
Belgium  
[www.thermo.com](http://www.thermo.com)

**Thomas Recording GmbH** (Booth No. 17)  
Winchester Str. 8, 35394 Gießen  
[www.thomasrecording.com](http://www.thomasrecording.com)

**TSE Systems GmbH** (Booth No. 45)  
Siemensstr. 21, 61352 Bad Homburg  
[www.TSE-Systems.com](http://www.TSE-Systems.com)

**Tucker-Davis Technologies** (Booth No. 31)  
11930 Research Circle Alachua, FL 32615, USA  
[www.tdt.com](http://www.tdt.com)

**Visitron Systems GmbH** (Booth No. 30)  
Gutenbergstr. 9, 82178 Puchheim  
[www.visitron.de](http://www.visitron.de)

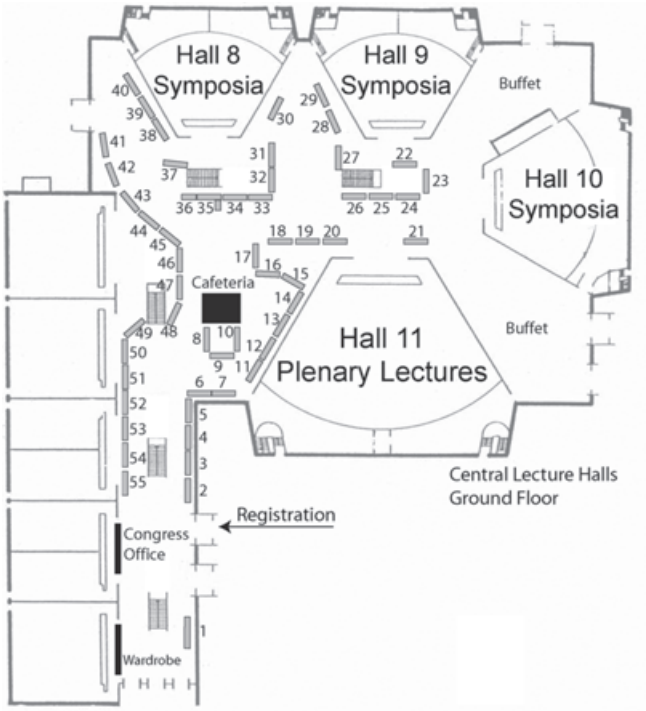
**von Gegerfelt Photonics** (Booth No. 9)  
Fröbelstr. 54, 64625 Bensheim  
[www.vongegerfeltphotonics.com](http://www.vongegerfeltphotonics.com)

**World Precision Instruments** (Booth No. 34)  
Liegitzer Str. 15, 10999 Berlin  
[www.wpi-europe.com](http://www.wpi-europe.com)



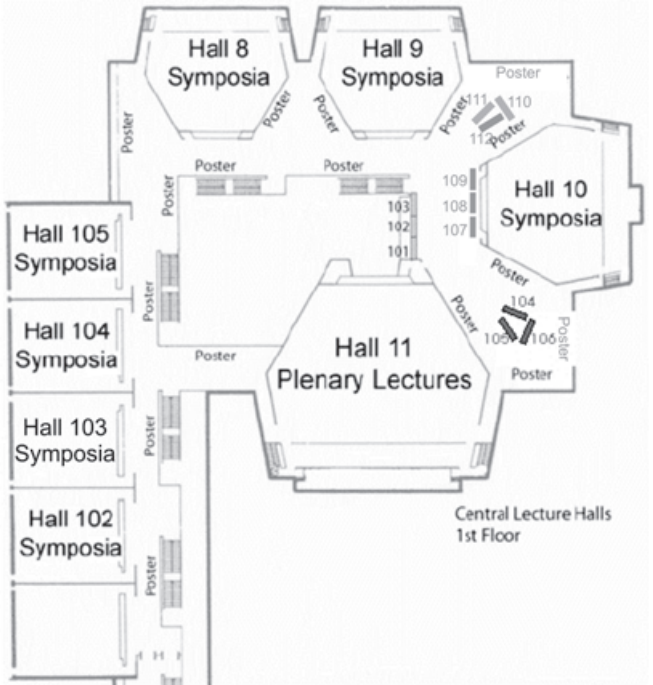


## Exhibition Floor Plan Ground Floor



The booth numbers behind the company's name refer to the booth numbers on the floor plan.

# Exhibition Floor Plan First Floor





## List of Advertisers

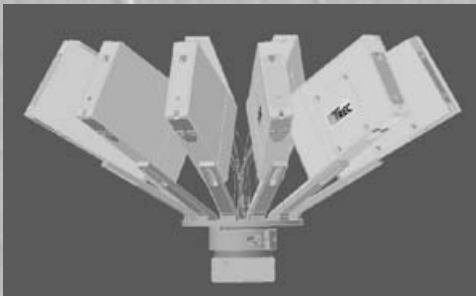
- Abcam (insert)
- Bayer Schering Pharma (p. 39, 40)
- Biomol GmbH (insert)
- Biotrend Chemikalien (cover)
- Fine Science Tools GmbH (p. 2)
- Gatan GmbH (p. 34, 35)
- Intelligent Imaging Innovations GmbH (p. 7)
- Leica Microsysteme Vertrieb GmbH (insert)
- MicroBrightField Europe e.K. (p. 27)
- Narishige International Limited (p. 31)
- Noldus Information Technology (p. 15)
- npi electronic GmbH (p. 9, 11, 13)
- PromoCell GmbH (insert)
- S. Karger AG (insert)
- Science Products GmbH (p. 23, 25)
- Spektrum der Wissenschaft (insert)
- Synaptic Systems GmbH (insert)
- Thomas Recording GmbH (p. 21)
- TSE (cover)



Thomas RECORDING  
GmbH

The Microdrive Company

New Microdrives available !



with outstanding features:

- Drives multiple Tetrodes/Heptodes
- Patented Rubber Tube Drive
- Record while Electrode moves
- Modular: 1 - 16 individual drive units
- Low cost System
- Cortical and deep brain recordings
- Precise Positioning
- Place multiple heptodes individually
- No noise pickup from environment
- No additional shielding required
- Fast electrode exchange
- Adaptable to all recording applications

And many features more...visit us at:

**Booth # 17**

Thomas RECORDING is BERNSTEIN Partner:



[www.ThomasRECORDING.com](http://www.ThomasRECORDING.com)



## Awards

### **Agilent Technologies Technology Award of the German Neuroscience Society 2009**

This prize is awarded by the German Neuroscience Society for outstanding contributions to the development of new technologies in the field of brain research. The prize money is donated by the company Agilent Technologies in Gräfelfing.

This award supports young researchers of an age under 35. The sum awarded is 2.500 Euro. Qualified research is reflected in outstanding publications. Eligible are scientists either working in a German laboratory or she/he is a German native working abroad. Applications from all fields of neuroscience research are invited. The candidate either applies directly for the award or is nominated by another person. Being a member of the German Neuroscience Society is not mandatory.

The prize was given for the first time in 2003, at that time under the name of Till Photonics Technology Award. It is awarded during the Congress of the German Neuroscience Society in Göttingen.

#### **Agilent Technologies**

Lochhamer Schlag 19  
82166 Gräfelfing  
[www.agilent.com](http://www.agilent.com)



### **Schilling-Research Award of the German Neuroscience Society 2009**

This prize is awarded by the German Neuroscience Society for outstanding contributions in the field of brain research. The award supports young researchers up to the age of 35. The prize money amounts to 20.000 Euro. Qualified research is reflected in outstanding publications. The applicant can either work in a German laboratory or she/he is of German origin working abroad. The application can be submitted by the applicant her-/himself or the candidate can be nominated. Applications from all fields of neuroscience research are invited. Being a member of the German Neuroscience Society is not mandatory.

The prize was given for the first time in 2005 during the 6<sup>th</sup> conference of the German Neuroscience Society in Göttingen.

#### **Stifterverband für die Deutsche Wissenschaft**

Postfach 164460  
45224 Essen  
[www.stifterverband.de](http://www.stifterverband.de)

Both prize winners will present their work in a lecture on Friday, March 27, between 15:00 and 16:00 h.





*Amplifiers  
Data Acquisition and Data  
Analysis Systems  
Electrodes, Wires & Glasses  
Electrode Holders  
Micropipette Pullers  
Microforges and Bevelers  
Micromanipulators  
Microinjection Systems  
Perfusion Systems  
Stereotaxic Instruments  
Stimulators and Stimulus  
Isolators  
Tables and Faraday Cages  
Temperature Controllers*

*... and more!*





## Young Investigator Stipends

### Travel grants from the German Neuroscience Society

The following applicants were granted a travel stipend amounting to 300 Euro from the German Neuroscience Society:

- Susanne Bastian (Dresden, Germany)
- Stefan Bittner (Würzburg, Germany)
- Akos Boros (Pecs, Hungary)
- Monika J. B. Eberhard (Vienna, Austria)
- Nadja Freund (Bochum, Germany)
- Pia Glöckner (Leipzig, Germany)
- Franziska Greifzu (Jena, Germany)
- Joanna Gruszczynska-Biegala (Warsaw, Poland)
- Anna-Maria Hartmann (Oldenburg, Germany)
- Laura Hausmann (Aachen, Germany)
- Sandra Hofer (Bern, Switzerland)
- Therése Kallur (Köln, Germany)
- Juntang Lin (Jena, Germany)
- Agnieszka Nikiforuk (Kraków, Poland)
- Hanna Regus-Leidig (Erlangen, Germany)
- Andrea Schäfers (Bielefeld, Germany)
- Julia Schuckel (Halifax, Canada)
- Ole Jan Simon (Würzburg, Germany)
- Miriam Annika Vogt (Mannheim, Germany)
- Ulrike Winkler (Leipzig, Germany)

offers the newest **CED** hard - and software



**Micro MK II and Power MK II**



**Power1401 expansion boxes**



**Mikro1401 expansion boxes**

The Power1401mk II is a high performance data acquisition interface. It uses Strong ARM technology giving you the most powerful life science laboratory interface in the world. Maximum sampling rate: 1 MHz multi-channel, up to 2 MHz single channel.

The Micro1401 mk II is a low cost, versatile data acquisition unit. The on-board processor with high speed memory is optimised for real time processing, free from the constraints of the host computer operating system. It features high-speed waveform capture at rates up to 500kHz with 32-bit resolution.

Both interfaces now with USB2.



Spike 2 Ver. 6. Spike 2 delivers powerfull data capture and analysis, stimulus sequencing and experimental control using one of the CED 1401 family of data acquisition peripherals.



Signal Ver. 4. Signal delivers powerfull sweep- based data capture and analysis, stimulus generation and control using one of the CED 1401 data acquisition peripherals. Now with PatchClamp module.



## Committees and Organization

### Program Committee

Mathias Bähr  
(President)  
Ad Aertsen  
Niels Birbaumer  
Ulrich Dirnagl  
Andreas Draguhn  
Ulf Eysel  
Michael Frotscher  
Eckart Gundelfinger  
Hanns Hatt  
Hans-Peter Hartung  
Klaus-Peter Hoffmann  
Uwe Homberg  
Sigrun Korsching  
Erwin Neher  
Rainer Schwarting

### Local Organization

Mathias Bähr  
Inga Zerr  
Uta Heinemann

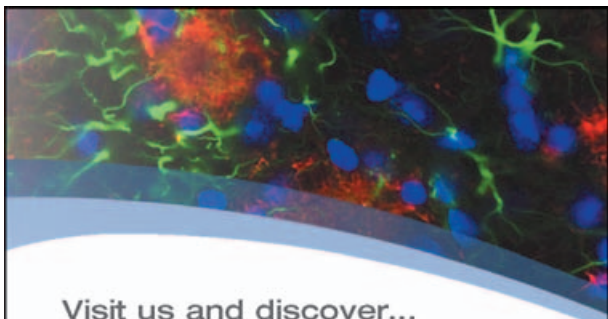
Universitätsklinik Göttingen  
Direktor der Abteilung Neurologie  
Robert-Koch-Str. 40  
37075 Göttingen  
Tel.: +49 551 39 6603; Fax: +49 551 39 8405  
E-Mail: [nwg2009@med.uni-goettingen.de](mailto:nwg2009@med.uni-goettingen.de)

### NWG Office

Geschäftsstelle der Neurowissenschaftlichen Gesellschaft e.V.  
Annika Buchheister/Meino Alexandra Gibson  
Max Delbrück Center for Molecular Medicine (MDC)  
Robert-Rössle-Str. 10  
13092 Berlin  
Tel.: +49 30 9406 3336, Fax: +49 30 9406 3819  
E-Mail: [a.buchheister@mdc-berlin.de](mailto:a.buchheister@mdc-berlin.de) / [gibson@mdc-berlin.de](mailto:gibson@mdc-berlin.de)

### Homepage

[www.nwg-goettingen.de/2009](http://www.nwg-goettingen.de/2009)



Visit us and discover...

## The leading tools in neuroscience research

At MBF, we are dedicated to providing you with the most comprehensive microscopy image analysis solutions and the best support in the industry. We invite you to view our latest product offerings, including our new multi-channel confocal stereology system.

---

**Neurolucida®**  
Neuroanatomical Analysis

---

**Stereo Investigator®**  
Unbiased Stereology

---

**AutoNeuron®**  
Automated Neuron Tracing

---

**Virtual Slice™**  
Full-Slide Imaging

**web** [www.mbfbioscience.com](http://www.mbfbioscience.com)  
**email** [info@mbfbioscience.com](mailto:info@mbfbioscience.com)  
**phone** +49 (0)391 732 6989



MicroBrightField Europe e.K.

*Providing solutions to neuroscience researchers for over 18 years*



## General Information

### Venue

Central Lecture Hall Building (Zentrales Hörsaalgebäude),  
Georg August University Göttingen, Platz der Göttinger  
Sieben

### Conference Office

During the meeting the conference office is open on  
Wednesday, March 25, from 12 to 7 p.m. and from Thursday,  
March 26 to Saturday, March 28, from 8 a.m. to 9 p.m. and  
on Sunday, March 29, from 8 a.m. to 1 p.m.

Phone: +49 551/39 9595

Fax: +49 551/39 9596

E-Mail: [nwg2009@med.uni-goettingen.de](mailto:nwg2009@med.uni-goettingen.de)

### Exhibition

The exhibition is open from Thursday, March 26 to Saturday,  
March 28, 2007 from 9 a.m. to 7 p.m.

### Public Transportation and Travel

The meeting site is only about ten minutes walk from the  
center of the city and from the train station. Bus lines No. 2,  
3, 5, 9, 10, 12 and 14 stop near the venue. The bus stops  
are called Auditorium, Kreuzbergring, Blauer Turm, Cam-  
pus.

### Registration

On site registration will be available. Please pay in cash or  
by Visa or Eurocard.

EUR 130	(members of the German or the Austrian Neuroscience Society)
EUR 180	(non-members)
EUR 80	(student members of the German or the Austrian Neuroscience Society)
EUR 120	(student non-members)

Students must show a copy of their student identity card.

The registration fee includes:

- free access to the scientific program
- congress bag
- abstract CD
- program booklet

## Map of Göttingen





- evening reception with food and drinks at the meeting site on Thursday, Friday and Saturday
- coffee breaks

## Lunch

Lunch is available from Wednesday to Saturday in the Mensa in the same building.

## Internet Access

As a special service we offer an 'Internet Café' to provide free Internet access for all participants of the meeting.

WLAN is available in the building as well.

## Poster presentations

Each poster will hang for one day. Posters with poster numbers containing A will hang on Thursday, posters with poster numbers containing B will hang on Friday, and posters with poster numbers containing C will hang on Saturday (see also explanation on page 104).

The presenting author of each poster is requested to be present at her/his poster during the poster session. The poster sessions are divided into odd and even serial numbers. Each poster is presented in two sessions of one hour.

### **Posters with numbers containing A**

Thursday, March 26, 2009

(hanging of posters: before 12:45)

12:45 - 13:45 odd serial numbers (e.g. T20-1A)

13:45 - 14:45 even serial numbers (e.g. T20-2A)

16:00 - 17:00 odd serial numbers (e.g. T20-1A)

17:00 - 18:00 even serial numbers (e.g. T20-2A)

(all posters must be removed immediately after 18:00)

### **Posters with numbers containing B**

Friday, March 27, 2009

(hanging of posters: before 13:00)

13:00 - 14:00 odd serial numbers (e.g. T20-1B)

14:00 - 15:00 even serial numbers (e.g. T20-2B)

16:00 - 17:00 odd serial numbers (e.g. T20-1B)

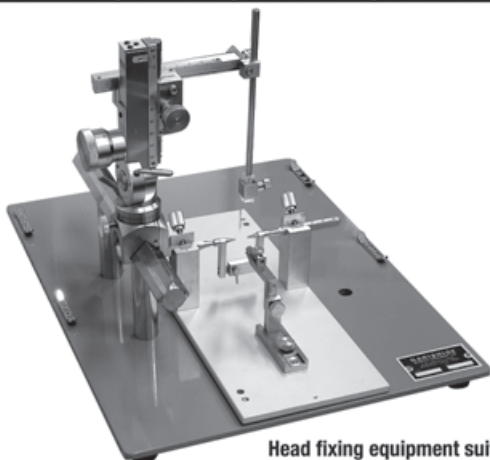
17:00 - 18:00 even serial numbers (e.g. T20-2B)

(all posters must be removed immediately after 18:00)



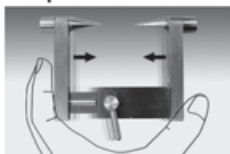
**Q: How do Narishige's stereotaxic instruments perform?**

**A: Easily, reliably, smoothly and softly.**



Head fixing equipment suitable for MRI examination

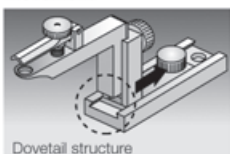
Auxiliary ear bar that's easy to manipulate with one hand



Small, thin mouth clamp



Smooth position adjustment movement



Dovetail structure



SRP-AM/SRP-AR

Firm yet gentle fixing of the delicate spinal cord



STS-A

Precise adjustment mechanism for mice and new-born rats



SRS-A

<http://www.narishige.co.jp>

**NARISHIGE INTERNATIONAL LTD.**

Unit 7, Willow Business Park Willow Way, London SE26 4QP, UK.  
Tel: +44 (0) 20 8 699 9696 Fax: +44 (0) 20 8 291 9678  
e-mail: [eurosales@narishige.co.uk](mailto:eurosales@narishige.co.uk)



## **Posters with numbers containing C**

Saturday, March 28, 2009

(hanging of posters: before 13:00)

13:00 - 14:00 odd serial numbers (e.g. T20-1C)

14:00 - 15:00 even serial numbers (e.g. T20-2C)

16:00 - 17:00 odd numbers (e.g. T20-1C)

17:00 - 18:00 even numbers (e.g. T20-2C)

(all posters must be removed immediately after 18:00)

Please be aware that the registration number you received is NOT corresponding to your poster number. You can easily find your poster using the online itinerary planer ([www.nwg-goettingen.de/2009](http://www.nwg-goettingen.de/2009)) or with the authors' index in this program booklet.

The size of the poster is 1 x 1 m. Pins to hang your poster will be available.

## **Projection**

The standard equipment in all lecture rooms is one PowerPoint projector as well as one overhead, but there are not two. We therefore have to ask you to present your talk without double projection. Furthermore, we must point out that only one tape recorder for all lecture rooms is available. In any case, if you have special requirements regarding projection, please let us know by March 1, 2009 at the latest (contact: [uta.heinemann@med.uni-goettingen.de](mailto:uta.heinemann@med.uni-goettingen.de)). All such requests will be collected up to that date, after which you will be informed about what are possible options.

## **Language**

The official language of this meeting is English.

## **Hotels**

The travel agency responsible for hotel reservation is the Deutsche Reisebüro Berlin (Annemarie van der Hoff, DER Deutsches Reisebüro GmbH & Co. OHG, Theodor-Heuss-Platz 2, 14052 Berlin, Tel.: +49 30 302 5002, Fax: +49 30 301 9768, E-Mail: [annemarie.vanderhoff@der.de](mailto:annemarie.vanderhoff@der.de)).

## **Insurance**

The organizers do not take responsibility for individual medical, travel or personal insurance. Participants are advised to carry out their own insurance policies.

## Electricity Supply

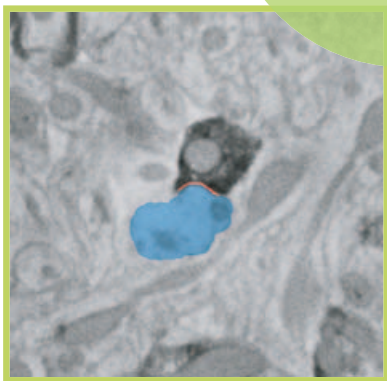
220 V - 50 Hz AC.

# Gatan

## Digital Imaging for Electron Microscopy

Can your  
**3D microscopy system**  
automatically produce  
perfectly aligned  
images showing  
10,000 synapses?

To learn how to  
accomplish this, visit  
us at the 8th Göttingen  
meeting of the German  
Neuroscience Society,  
booth 21, or go to  
[www.gatan.com/answers](http://www.gatan.com/answers)



3View™

DigitalMicrograph™  
3D Visualization  
tool

3D image set  
generated by 3View™  
of a neuron (blue)  
with its synapses (red)  
in the barrel cortex  
of a mouse. Reconstruction  
from 800 perfectly  
aligned image slices.

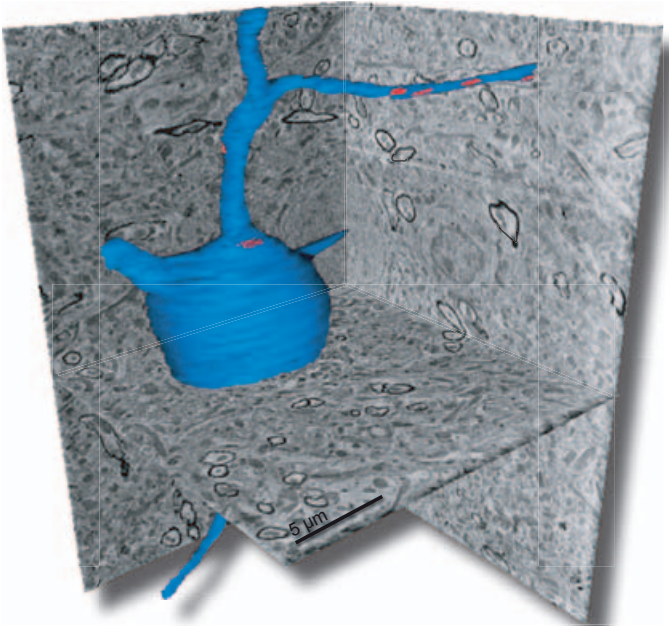


Image showing a neuropil area through a mouse barrel cortex (neuron shown in blue and synapses shown in red) processed for EM and generated using Gatan's 3View™ SBFSEM microscopy system. Eight hundred perfectly aligned image slices of 50 nm were acquired. Gatan's DigitalMicrograph™ 3D Visualization tool was used to show the Z projection of the 800 slices. Manual segmentation using Reconstruct (GNU General Public License version 2) software generated a 3D reconstruction of the neuronal cell including the dendrites and axon. The inset image shows an identified synapse between a dendrite of the reconstructed neuron and the axon labeled for parvalbumine (pre-embedding immunochemistry with biotinylated antibody). Sample courtesy of Dr. Graham Knott, DBCM, University of Lausanne. 3View™ is a product based on work performed by W Denk and H Horstmann, Max-Planck Institute for Medical Research, Heidelberg, Germany. Plos Biology, 2004.2(11):p. 1900-1909.





## Scientific Program

### Wednesday, March 25, 2009

- 14:00 - 19:00 Satellite Workshop I, Hall 9  
**Animal models of neuropsychiatric disorders - The translational value of behavioral tests**  
*Chair: Michael Koch and Eberhard Fuchs, Bremen and Göttingen*
- 14:00 - 18:30 Satellite Symposium II, Hall 11  
**Schram Foundation Symposium "From neuron to circuit"**  
*Chair: Hermann Rohrer, Frankfurt/M.*

### Thursday, March 26, 2009

- 9:00 - 12:00 **Symposia I (S1 - S6)**  
 9:00 - 12:00 Symposium 1, Hall 10  
**The clinical importance of spreading depression in migraine and acute neuronal injury**  
*Chair: Jens Dreier and Rudolf Graf, Berlin and Köln*
- 9:00 - 12:00 Symposium 2, Hall 105  
**Neural computation by retinal circuits**  
*Chair: Tim Gollisch and Günter Zeck, Martinsried*
- 9:00 - 12:00 Symposium 3, Hall 104  
**Microglia: the big player in pathology**  
*Chair: Helmut Kettenmann and Knut Biber, Berlin and Groningen (Netherlands)*
- 9:00 - 12:00 Symposium 4, Hall 9  
**Unraveling the mechanisms of dopamine dysfunctions in neuropsychiatric disorders: from worm to (wo)men**  
*Chair: Anna Katharina Braun and Richard Nass, Magdeburg and Indianapolis (USA)*



- 9:00 - 12:00 Symposium 5, Hall 8  
**Drosophila senses: genetic dissection of neural circuitry and processing**  
*Chair: André Fiala and Martin Göpfert, Würzburg and Köln*
- 9:00 - 12:00 Symposium 6, Hall 103  
**Generation of cellular diversity in the forebrain**  
*Chair: Victor Tarabykin and Alexander von Holst, Göttingen and Bochum*
- 12:00 - 13:00 **Lunch Break**
- 12:45 - 14:45 **Poster Session I: Posters A**  
 12:45 - 13:45 Odd serial numbers  
 13:45 - 14:45 Even serial numbers
- 14:45 - 15:00 **Opening Ceremony, Hall 11**
- 15:00 - 16:00 **Plenary Lecture, Hall 11 (Opening Lecture)**  
*Chair: Mathias Bähr, Göttingen*  
 Peter Jonas, Freiburg  
**Mechanisms of fast signaling in GABAergic interneurons**
- 16:00 - 18:00 **Poster Session II: Posters A**  
 16:00 - 17:00 Odd serial numbers  
 17:00 - 18:00 Even serial numbers
- 18:00 - 19:00 **Plenary Lecture, Hall 11 (K.J. Zülch Lecture)**  
*Chair: Herbert Jäckle, Göttingen*  
 Christian Elger, Bonn  
**Epilepsy and it's models: progress or wrong track?**
- 19:00 - 20:00 **Cold Buffet in the Foyer**
- 20:00 - 21:00 **Plenary Lecture, Hall 11**  
*Chair: Niels Birbaumer, Tübingen*  
 Nikos Logothetis, Tübingen  
**Electrical microstimulation and fMRI**





Bayer HealthCare  
Bayer Schering Pharma



# 5 Minutes a Week.

Convenience and flexibility you can count on.

On the spot reconstitution of Betaferon® every other day will take less than 5 minutes of your patient's time per week.

Starting treatment with Betaferon® after a Clinically Isolated Syndrome (CIS) will give them an additional period of up to 363 days without progression to clinical definite MS (CDMS) as shown in the BENEFIT Study\*.

\* Kappos et al. Neurology 2006; 67:1242-1249.

Only CIS patients at high risk of developing CDMS meet the indication of Betaferon®.

[www.ms-gateway.com](http://www.ms-gateway.com)

 **BETAFERON**®  
INTERFERON BETA-1b 250 µg  
Early strength, lasting benefit.

**Betaferon® Composition:** Recombinant interferon b-1b 250 µg (8.0 MIU) per ml when reconstituted. Betaferon® contains 300 µg (9.6 million IU) of recombinant IFNB-1b per vial. **Indications:** Betaferon® is indicated for the treatment of patients with a single demyelinating event with an active inflammatory process, if it is severe enough to warrant treatment with intravenous corticosteroids, if alternative diagnoses have been excluded, and if they are determined to be at high risk of developing clinically definite MS. Patients with relapsing-remitting MS and two or more relapses within the last two years, patients with secondary progressive MS with active disease, evidenced by relapses. **Contraindications:** Initiation of treatment in pregnancy. Patients with a history of hypersensitivity to natural or recombinant interferon b, human albumin or to any excipients. Patients with current severe depression and/or suicidal ideation. Patients with decompensated liver disease. **Precautions:** The administration of cytokines to patients with a pre-existing monoclonal gammopathy has been associated with the development of systemic capillary leak syndrome with shock-like symptoms and fatal outcome. In rare cases, pancreatitis was observed with Betaferon® use, often associated with hypertriglyceridaemia. Betaferon® should be administered with caution to patients with previous or current depressive disorders, in particular to those with antecedents of suicidal ideation. Depression and suicidal ideation are known to occur in increased frequency in the MS population and in association with interferon use. Patients treated with Betaferon® should be advised to immediately report any symptoms of depression and/or suicidal ideation to their prescribing physician. Patients exhibiting depression should be monitored closely during therapy with Betaferon® and treated appropriately. Cessation of therapy with Betaferon® should be considered. Betaferon® should be administered with caution to patients with a history of seizures, to those receiving treatment with anti-epileptics, particularly if their epilepsy is not adequately controlled with anti-epileptics. Thyroid function tests are recommended regularly in patients with a history of thyroid dysfunction or as clinically indicated. In addition to those laboratory tests normally required for monitoring patients with MS. Complete blood and differential white blood cell counts, platelet counts, and blood chemistries, including liver function tests (e.g. AST (SGOT), ALT (SGPT) and g-GT), are recommended prior to initiation and at regular intervals following introduction of Betaferon® therapy, and then periodically thereafter in the absence of clinical symptoms. As for other beta interferons, severe hepatic injury, including cases of hepatic failure, has been reported rarely in patients taking Betaferon®. The most serious events often occurred in patients exposed to other drugs or substances known to be associated with hepatotoxicity or in the presence of co-morbid medical conditions (e.g. metastasising malignant disease, severe infection and sepsis, alcohol abuse). Patients should be monitored for signs of hepatic injury. Withdrawal of Betaferon® should be considered if the levels of serum transaminases significantly increase or if they are associated with clinical symptoms such as jaundice. In the absence of clinical evidence for liver damage and after normalisation of liver enzymes a reintroduction of therapy could be considered with appropriate follow-up of hepatic functions. Caution should be used and close monitoring considered when administering interferon b to patients with severe renal failure. It should also be used with caution in patients who suffer from pre-existing cardiac disorders. Patients with pre-existing significant cardiac disease, such as congestive heart failure, coronary artery disease or arrhythmia, should be monitored for worsening of their cardiac condition, particularly during initiation of treatment with Betaferon®. Rare cases of cardiomyopathy have been reported: If this occurs and a relationship to Betaferon® is suspected, treatment should be discontinued. Serious hypersensitivity reactions may occur. If reactions are severe, Betaferon® should be discontinued and appropriate medical intervention instituted. Injection site necrosis has been reported in patients using Betaferon®. It can be extensive and may result in scar formation. If the patient experiences any break in the skin, which may be associated with swelling or drainage of fluid from the injection site, the patient should be advised to consult with his/her physician before continuing injections with Betaferon®. If the patient has multiple lesions Betaferon® should be discontinued until healing has occurred. Patients with single lesions may continue on Betaferon® provided the necrosis is not too extensive, as some patients have experienced healing of injection site necrosis whilst on Betaferon®. Neutralising activity was observed in patients in the different clinical trials. Between 23% and 41% of the patients developed serum interferon b-1b neutralising activity; between 43% and 55% of these patients converted to a stable antibody negative status during the subsequent observational period of the respective study. The development of neutralising activity is associated with a reduction in clinical efficacy only with regard to relapse activity. The decision to continue or discontinue treatment should be based on clinical disease activity rather than on neutralising activity status. **Side effects:** At the beginning of treatment adverse reactions are common but in general they subside with further treatment. The most frequently observed adverse reactions are a flu-like symptom complex and injection site reactions, which are mainly due to the pharmacological effects of the medicinal product. Injection site reactions occurred frequently after administration of Betaferon®. The following side effect listing is based on reports from post marketing surveillance: Very common: Flu-like symptoms, chills, fever, injection site reaction, injection site inflammation, injection site pain; common: Injection site necrosis, uncommon: anemia, thrombocytopenia, leukopenia, depression, hypertension, vomiting, nausea, alanin aminotransferase increased, aspartate aminotransferase increased, urticaria, rash, pruritus, alopecia, myalgia, hypertonia; rare: skin discolouration, menstrual disorder, chest pain, malaise, sweating, weight decrease. **Marketing Authorisation Holder and Numbers:** Bayer Schering Pharma AG (formerly known as Schering AG), D-13342 Berlin, Germany, EU/1/95/003/003, -004, -005, -006 **Preparation Date:** 06/06, Please refer to the Summary of Product Characteristics for further information.

## Friday, March 27, 2009

- 9:00 - 12:00 **Symposia II (S 7 - S 12)**  
 9:00 - 12:00 Symposium 7, Hall 105  
**Spinal cord injury research:  
 From bench to bedside**  
*Chair: Karim Fouad, Alberta (Canada)*
- 9:00 - 12:00 Symposium 8, Hall 9  
**The fine-scale structure of the  
 cortical network: Implications  
 for its dynamics and function**  
*Chair: Tom Tetzlaff and Birgit Kriener,  
 As (Norway) and Freiburg*
- 9:00 - 12:00 Symposium 9, Hall 10  
**Neuroplasticity and neuropro-  
 tection in neurodegenerative  
 disease: models and  
 mechanisms**  
*Chair: Markus Morawski and Mussa  
 Youdim, Leipzig and Haifa (Israel)*
- 9:00 - 12:00 Symposium 10, Hall 8  
**Stress and cognition: From  
 structure to function**  
*Chair: Mathias Schmidt and Michael  
 Größ, München and Magdeburg*
- 9:00 - 12:00 Symposium 11, Hall 104  
**The arthropod central complex:  
 evolutionary, developmental,  
 genetic and functional aspects**  
*Chair: George Boyan, Martinsried*
- 9:00 - 12:00 Symposium 12, Hall 103  
**Caught in the net? - Extracellu-  
 lar matrix molecules in synapse  
 formation and plasticity**  
*Chair: Constanze Seidenbecher and  
 Andreas Faissner, Magdeburg and  
 Bochum*
- 12:00 - 13:00 **Lunch Break**
- 12:00 - 13:00 **DFG-Seminar, Hall 102**  
 Jan Kunze, DFG  
**"Starting your research career -  
 DFG funding programmes and  
 application procedures"**



- 13:00 - 15:00 **Poster Session III: Posters B**  
 13:00 - 14:00 Odd serial numbers  
 14:00 - 15:00 Even serial numbers
- 15:00 - 16:00 **Awarding and Lectures, Hall 11**  
 (Schilling Research Award Lecture)  
 Chair: *André Fischer, Göttingen*  
*Lawrence Rajendran, Dresden*  
**Cellular mechanisms underlying  $\beta$ -amyloid generation and its implications for Alzheimer's disease**
- (Agilent Technologies Prize Lecture)  
 Chair: *Michael Frotscher, Freiburg*  
*Stefan Klöppel, Freiburg*  
**MRI-based diagnosis of neurodegeneration using support vector machines**
- 16:00 - 18:00 **Poster Session IV: Posters B**  
 16:00 - 17:00 Odd serial numbers  
 17:00 - 18:00 Even serial numbers
- 18:00 - 19:00 **Cold Buffet in the Foyer**
- 19:00 - 20:00 **Plenary Lecture, Hall 11**  
**(Roger Eckert Lecture)**  
 Chair: *Erwin Neher, Göttingen*  
*Peter Fromherz, Munich*  
**Semiconductor chips for neurophysiology**

## Saturday, March 28, 2009

- 9:00 - 12:00 **Symposia III (S 13 - S 18)**  
 9:00 - 12:00 Symposium 13, Hall 105  
**Animal models of psychiatric illnesses: from risk genes to the pathophysiological mechanisms**  
 Chair: *Peter Falkai, Göttingen*
- 9:00 - 12:00 Symposium 14, Hall 8  
**Cellular mechanisms of cortical network oscillations**  
 Chair: *Tengis Gloveli, Berlin*

# 7<sup>th</sup> FENS FORUM OF EUROPEAN NEUROSCIENCE

July 3–7, 2010

Amsterdam | The Netherlands



Organized by the Federation of European Neuroscience Societies | FENS  
[www.fens.org](http://www.fens.org)  
Hosted by the Dutch Neurofederation  
[www.neurofederatie.nl](http://www.neurofederatie.nl)

**A must in Europe for  
neuroscientists all over the world.**



NeuroFederation



- 9:00 - 12:00 Symposium 15, Hall 10  
**Mechanics in the nervous system**  
*Chair: Jochen Guck, Andreas Reichenbach, and Dennis Bray, Cambridge (UK) and Leipzig*
- 9:00 - 12:00 Symposium 16, Hall 9  
**Multicellular representations of spatio-temporal perception and behavior**  
*Chair: Christian Leibold and Martin Paul Nawrot, Martinsried and Berlin*
- 9:00 - 12:00 Symposium 17, Hall 104  
**Evolution of peptide signalling in the nervous system**  
*Chair: Christian Wegener and Joachim Schachtner, Marburg*
- 9:00 - 12:00 Symposium 18, Hall 103  
**Autophagic cell death: identification, pathways, and roles in neural development and disease**  
*Chair: Paul Saftig, Andreas Schober and Klaus Unsicker, Kiel and Heidelberg*
- 12:00 - 13:00 **Annual General Assembly of the Neurowissenschaftliche Gesellschaft (NWG), Hall 11**  
*Guest: Jan Kunze (DFG)*  
**Funding opportunities - DFG facts and figures**
- 13:00 - 15:00 **Poster Session V: Posters C**  
 13:00 - 14:00 Odd serial numbers  
 14:00 - 15:00 Even serial numbers
- 15:00 - 16:00 **Plenary Lecture, Hall 11 (Ernst Florey Lecture)**  
*Chair: Eckart Gundelfinger, Magdeburg*  
 Martin Heisenberg, Würzburg  
**The fly's self and it's brain**
- 16:00 - 18:00 **Poster Session VI: Posters C**  
 16:00 - 17:00 Odd serial numbers  
 17:00 - 18:00 Even serial numbers
- 18:00 - 19:00 **Cold Buffet in the Foyer**

- 19:00 - 20:00 **Plenary Lecture, Hall 11  
(Otto Creutzfeldt Lecture)**  
Chair: Klaus-Peter Hoffmann, Bochum  
Atsushi Iriki, Saitama (Japan)  
**Neuroscience of primate  
intellectual evolution**

### Sunday, March 29, 2009

- 9:00 - 12:00 **Symposia IV (S 19 - S 24)**  
9:00 - 12:00 Symposium 19, Hall 8  
**New insights into Alzheimer's  
disease: modeling neurodege-  
neration – causes and conse-  
quences**  
Chair: Thomas Bayer and Oliver  
Wirths, Göttingen
- 9:00 - 12:00 Symposium 20, Hall 105  
**Networks on Chips - Spatial  
and temporal activity dynamics  
of functional networks**  
Chair: Ulrich Egert and Herrmann  
Wagner, Freiburg and Aachen
- 9:00 - 12:00 Symposium 21, Hall 104  
**Plasticity and function of amyg-  
dala and fear-circuitry: molecu-  
lar, cellular and behavioral  
mechanisms**  
Chair: Ingrid Ehrlich and Thomas  
Seidenbecher, Basel (Switzerland) and  
Münster
- 9:00 - 12:00 Symposium 22, Hall 10  
**Goal-directed behavior – The  
neural basis of planning and  
choice**  
Chair: Alexander Gail and Hans  
Scherberger, Göttingen and Zürich  
(Switzerland)
- 9:00 - 12:00 Symposium 23, Hall 103  
**Restoring retinal vision**  
Chair: Reto Weiler and Botond Roska,  
Oldenburg and Basel (Switzerland)
- 9:00 - 12:00 Symposium 24, Hall 9  
**Molecular analysis of axonal  
and dendritic branching**  
Chair: Fritz Rathjen and Hannes  
Schmid, Berlin



12:00 - 13:00 **Plenary Lecture, Hall 11**  
*Chair: S. Korsching, Bonn*  
Peter Mombaerts, Frankfurt/M.  
**Olfaction targeted**

13:00 **Departure**







# Neurowissenschaftliche Gesellschaft e.V.

## Ziele

Die Neurowissenschaftliche Gesellschaft e.V. hat sich zum Ziel gesetzt, die Neurowissenschaften in Forschung und Lehre zu fördern und in allen ihren Teilbereichen im In- und Ausland zu repräsentieren. Sie versucht, forschungspolitische Schwerpunkte mit neurowissenschaftlicher Thematik zu setzen und neue Konzepte anzuregen. Sie steht in Kontakt mit innerdeutschen Fördereinrichtungen und privaten Stiftungen und unterstützt die neurowissenschaftliche Ausrichtung der Förderprogramme der Europäischen Union. Sie fördert die Kontakte zur Industrie. Sie tritt für die Etablierung eines interdisziplinären neurowissenschaftlichen Ausbildungskonzepts ein. Bei all dem verfolgt sie ausschließlich gemeinnützige Zwecke.

## Neuroforum

Die Zeitschrift Neuroforum erscheint vierteljährlich. Die Mitglieder erhalten sie kostenlos. Neuroforum informiert über Themen, Trends, Fortschritte, neue Methoden, Forschungsschwerpunkte, Fördermöglichkeiten, Stellenangebote und Ausschreibungen.

## Methodenkurse

Mehrmals jährlich werden insbesondere für Studenten, Doktoranden und junge Wissenschaftler Methodenkurse angeboten.

## Rund-Mails und Stellenmarkt

Einmal monatlich werden an alle Mitglieder mit E-Mail-Zugang Rund-E-Mails mit Informationen zu Drittmitteln, Stipendien, Stellenanzeigen u.a. verschickt.

## Homepage

Die Homepage informiert über Kongresse, bietet Links zu Institutionen, Fördereinrichtungen, neurowissenschaftlichen Zeitschriften, informiert über Bezugsquellen und Produkte und die Aktivitäten der Gesellschaft (<http://nwg.glia.mdc-berlin.de>).

## Kongresse

Mit der Veranstaltung und Förderung der Göttinger Jahrestagung sowie mit der Beteiligung am FENS Forum verfolgt die Gesellschaft ihr interdisziplinäres Konzept weiter. Neurowissenschaftler aller Fachrichtungen aus Forschung und Industrie sind zu einem lebendigen und fruchtbaren Meinungs austausch aufgefordert.

## Stipendien

Die Gesellschaft stellt Stipendien für Studenten, Doktoranden und junge Wissenschaftler für die Teilnahme an der eigenen Tagung wie auch für das FENS Forum zur Verfügung.

## Förderpreise

Die Gesellschaft vergibt zweijährlich den mit 2.500 Euro dotierten Agilent Technologies-Preis sowie den mit 20.000 Euro dotierten Schilling-Forschungspreis.

## Freier Zugang zu EJM online

Die Mitglieder der Gesellschaft haben kostenlosen Zugang zur Online-Version des European Journal of Neuroscience.

## Lehrerfortbildung

Bundesweit werden mit finanzieller Unterstützung der Hertie-Stiftung Fortbildungsveranstaltungen für Lehrer der gymnasialen Oberstufe zu neurowissenschaftlichen Themen angeboten.

## Slots für das SFN-Meeting

Über die Mitgliedschaft in FENS erhalten die Mitglieder der NWG jedes Jahr für das Meeting der amerikanischen Society für Neuroscience sog. „society sponsored abstract slots“. NWG-Mitglieder mit einem solchen Slot zahlen dieselbe reduzierte Teilnahmegebühr beim SFN-Meeting wie SFN-Mitglieder.

**Die Neurowissenschaftliche Gesellschaft e.V.** vertritt deutsche Neurowissenschaftler in der IBRO, ist Gründungsmitglied der Federation of European Neuroscience Societies (FENS) und vertritt die nationalen Interessen in der FENS. Sie ist kooperatives Mitglied des Verbandes Deutscher Biologen (vdbiol). Die Deutsche Gesellschaft für Neurologie ist förderndes Mitglied der Neurowissenschaftlichen Gesellschaft.

## Mitgliedschaft

Mitglied der Gesellschaft kann werden, wer auf einem Gebiet der Neurowissenschaften oder in verwandten Fächern tätig ist. Das Aufnahmegesuch ist mit der Befürwortung von zwei Mitgliedern der Gesellschaft an die Geschäftsstelle zu richten, über die Aufnahme entscheidet der Vorstand. Der Mitgliedsbeitrag für Studenten beträgt 25 Euro, für Vollmitglieder 50 Euro pro Jahr.

## Geschäftsstelle

Neurowissenschaftliche  
Gesellschaft e.V.  
Max-Delbrück-Centrum  
für Molekulare Medizin  
(MDC) Berlin Buch  
Robert-Rössle-Str. 10  
13092 Berlin  
Tel.: 030 9406 3336  
Fax: 030 9406 3819  
Gibson@mdc-berlin.de

<http://nwg.glia.mdc-berlin.de>



Abbildung: Dr. Werner Züschner, Magdeburg

## Sektionsprecher

*Computational Neuroscience:*

Ad Aertsen

*Entwicklung/Neurogenetik:*

Michael Frotscher

*Klinische Neurowissen-*

*Schaften:*

Hans-Peter Hartung

*Molekulare Neurobiologie:*

Eckart Gundelfinger

*Neuropharmakologie/*

*-toxikologie:*

Rainer Schwarting

*Systemneurobiologie:*

Ulf Eysel

*Zelluläre Neurobiologie:*

Hanns Hatt

*Kognitive Neurowissen-*

*schaften:*

Niels Birbaumer

*Verhaltensneurowissen-*

*schaften:*

Uwe Homberg

## Vorstand der

**Amtsperiode**

**2007-2009**

*Präsident:*

Mathias Bähr

*Vizepräsident:*

Sigrun Korsching

*Schatzmeister:*

Andreas Draguhn

*Generalsekretär:*

Ulrich Dirnagl



## Plenary Lectures

**Peter Jonas**, Freiburg (Opening Lecture)  
**Mechanisms of fast signaling in GABAergic interneurons** (P1)

*Thursday, March 26, 2009, 15:00 – 16:00 h*

**Christian Elger**, Bonn (Zülch Lecture)  
**Epilepsy and it's models: progress or wrong track?** (P2)

*Thursday, March 26, 2009, 18:00 – 19:00 h*

**Nikos Logothetis**, Tübingen  
**Electrical microstimulation and fMRI** (P3)

*Thursday, March 26, 2009, 20:00 – 21:00*

**Lawrence Rajendran**, Dresden (Schilling Prize Lecture)

**Cellular mechanisms underlying amyloid generation and its implications for Alzheimer's disease** (P4)

*Friday, March 27, 2009, 15:00 – 16:00 h*

**Stefan Klöppel**, Freiburg (Agilent Technologies Technologie Preis 2009)

**MRI-based diagnosis of neurodegeneration using support vector machines** (P5)

*Friday, March 27, 2009, 15:00 – 16:00 h*

**Peter Fromherz**, Munich (Roger Eckert Lecture)  
**Semiconductor chips for neurophysiology** (P6)

*Friday, March 27, 2009, 19:00 – 20:00 h*

**Martin Heisenberg**, Würzburg (Ernst-Florey Lecture)  
**The fly's self and it's brain** (P7)

*Saturday, March 28, 2009, 15:00 – 16:00 h*

**Atsushi Iriki**, Saitama (Japan)(Otto-Creutzfeldt Lecture)

**Neuroscience of primate intellectual evolution** (P8)

*Saturday, March 28, 2009, 19:00 – 20:00 h*

**Peter Mombaerts**, Frankfurt/M.

**Olfaction targeted** (P9)

*Sunday, March 29, 2009, 12:00 – 13:00 h*

All plenary lectures will take place in hall 11.





## Introductory Remarks to Satellite Workshop 1

# Animal models of neuropsychiatric disorders - The translational value of behavioral tests

*Michael Koch and Eberhard Fuchs, Bremen and Göttingen*

Well-validated and robust animal models are of prime interest for behavioural pharmacological investigations of neurological and psychiatric disorders. Which are the best methods for testing hypotheses related to the etio-pathogenesis and treatment of diseases? Which is the optimal experimental design to reach replicable and translational results and to avoid overinterpretation and artefacts? What are the special concerns that must be addressed when conducting animal behavioural studies? This workshop will provide an overview of test paradigms in several disease domains including learning and memory deficits, motor dysfunctions, drug abuse, behavioural aberrations related to schizophrenia, stress-induced disorders and depression. To what extent can genetic and epigenetic influences on the etiology of diseases be discerned? How do sex differences and developmental stages affect the course of the diseases? Are animal models really supporting rational pharmacotherapy? Multidisciplinary combinations of behavioural, electrophysiological, telemetric and neuropharmacological phenotyping will be presented to illustrate comprehensive analyses of mammalian models of neuropsychiatric disorders. This workshop consists of a series of short presentations by the faculty followed by an informal round-table discussion. This format particularly addresses the needs of researchers early in their carrier.

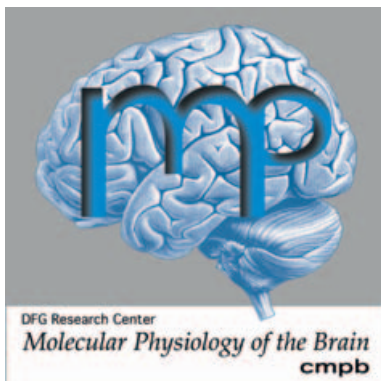
# Satellite Workshop 1

Wednesday, March 26, 2009  
14:00 – 19:00, Hall 9

Chair: Michael Koch and Eberhard Fuchs

- 14:00 **Introductory remark**  
Eberhard Fuchs and Michael Koch
- 14:15 **Brief statements and discussion**
- 18:45 **Conclusion**
- 19:00 **End of the workshop**

Sponsored by





## Introductory Remarks to Satellite Symposium 2

# Schram Foundation Symposium „From neuron to circuit“



Hermann Rohrer (Frankfurt/M)

The Schram Foundation supports research in medicine and neuroscience, focussing on brain research, and was founded by Dr. Armin Schram in 2000. The Schram Foundation is the only private foundation supporting basic neuroscience research in Germany. The aim of the present symposium is to provide a platform to present and discuss projects that have been supported by the Schram Foundation. These cover important aspects of neuron differentiation, synapse formation and circuit function, summarized in the symposium title 'From neuron to circuit'. Following opening remarks by Erwin Neher (Göttingen), Michael Wegner (Erlangen) will report on the essential role of transcription factors of the Sox gene family in the developing nervous system and delineate their function in neuronal and glial differentiation. The presentation by Hermann Rohrer (Frankfurt/M) will provide evidence that transcription factors that are essential for neurotransmitter phenotype differentiation during development are also required for the maintenance of these functions in mature neurons. Michael Kiebler (Wien) addresses the molecular events that cause an activated synapse to be structurally and functionally rearranged. These alterations are considered to be molecular correlates of learning and memory. Britta Qualmann (Jena) will provide an insight into the molecular mechanisms underlying the formation, maturation and reorganisation of postsynaptic nerve endings, as well as to shed light on the modulation of their function – processes relevant for the formation and plasticity of neuronal networks. A novel signaling pathway in the activity-dependent morphogenesis and stability of dendrites and spines involves the protein Jacob, which induces synapse removal and dendrite retraction under pathological conditions, will be described by Michael Kreutz (Magdeburg). In the presentation by Bernd Knöll (Tübingen), the consequences of forebrain-specific conditional inactivation of the transcription factor Srf will be covered. Srf controls gene expression of a wide range of target genes, including genes associated with neuronal cytoskeletal dynamics. Petra Wahle (Bochum) will report on the in vitro effects of early activity patterns on neuronal morphology and gene expression and Heiko Luhmann (Mainz) will address the question, which synchronized neuronal activity patterns can be observed in the immature cerebral cortex and the role of these patterns in the construction of early cortical networks and in the control of programmed cell death. The symposium will be closed by concluding remarks of Dr. Armin Schram.



## Satellite Symposium 2

Wednesday, March 25, 2009  
14:00 – 18:30, Hall 11

Chair: Heinrich Betz

14:00 **Opening Remarks**

Erwin Neher, Göttingen

14:10 Michael Wegner, Erlangen  
MOLECULAR ANALYSIS OF NEURAL SOX  
PROTEIN FUNCTIONS (Sat2-1)

14:35 Hermann Rohrer, Frankfurt/M.  
TRANSCRIPTIONAL CONTROL OF AUTONO-  
MIC NEURON SPECIFICATION AND DIFFE-  
RENTIATION (Sat2-2)

15:00 Michael Kiebler, Wien  
MOLECULAR MECHANISMS OF LEARNING  
AND MEMORY AT THE SYNAPSE (Sat2-3)

15:25 Britta Qualmann, A. Haeckel, R. Ahuja, M. M.  
Kessels, Jena  
MOLECULAR COORDINATION OF POST-  
SYNAPTIC PLASTICITY MECHANISMS (Sat2-4)

15:50 **Coffee Break**

Chair: Hermann Rohrer

16:20 Michael R. Kreutz, A. Karpova, M. Mikhaylova, D.  
C. Dieterich, C. Spilker, Magdeburg  
SIGNALING FROM SYNAPSE TO NUCLEUS VIA  
JACOB (Sat2-5)

16:45 Bernd Knöll, Tübingen  
THE ROLE OF SRF-MEDIATED GENE  
EXPRESSION IN NEURONAL CIRCUIT ASSEMBLY  
(Sat2-6)

17:10 Petra Wahle, C. Colovic, S. Patz, Bochum  
CARBACHOL PROMOTES CORTICAL DIFFEREN-  
TIATION IN RAT (Sat2-7)

17:35 Heiko Luhmann, Mainz  
SHAPING EARLY CORTICAL CIRCUITS BY  
ELECTRICAL ACTIVITY (Sat2-8)

18:00 **Concluding Remarks**

Dr. Armin Schram



## Introductory Remarks to Symposium 1

# The clinical importance of spreading depolarization in migraine and acute neuronal injury

*Jens Dreier and Rudolf Graf, Berlin and Köln*

Progressive ischaemic damage in animals is associated with spreading mass depolarisations of neurones and astrocytes, detected as spreading negative slow voltage variations. Speculation on whether spreading depolarisations occur in acute neuronal injury in humans has continued for the past 60 years since Leão's first description of spreading negative slow voltage variations in response to either electrical stimulation or bilateral carotid artery occlusion. In patients undergoing acute cerebral injury, subdural electrode strips for electrocorticography have made it possible to measure spreading depolarisations in the injured human brain. An international consortium, the Co-Operative Study on Brain Injury Depolarisations (COSBID) has now started to unravel the role of spreading depolarisations in relation to clinical outcome, structural damage and neurobiological factors including regional cerebral blood flow and neuronal metabolism. In view of the abundance of these depolarisations in conditions such as traumatic brain injury, spontaneous intracerebral haematoma, aneurysmal subarachnoid haemorrhage (aSAH), delayed ischaemic stroke after aSAH and malignant ischaemic stroke and the observed characteristic changes in electrocorticographic pattern associated with structural damage, it is now increasingly recognised that spreading depolarisations represent a core mechanism of damage in the human brain similar to their role in the brain of animals. The symposium will present this recent clinical evidence and discuss the wide implications of this successful field of translational research from bench to bedside.

## Symposium 1

Thursday, March 26, 2009  
9:00 – 12:00, Lecture Hall 10

Chair: Jens Dreier and Rudolf Graf, Berlin and Köln

- 9:00 Rudolf Graf, Köln  
PATHOPHYSIOLOGICAL BASIS OF SPREADING DEPOLARISATIONS, A CONTINUOUS SPECTRUM FROM ANOXIC DEPOLARISATION TO SPREADING DEPRESSION (S1-1)
- 9:25 Anthony J. Strong, M. Fabricius, J. Hartings, London (United Kingdom)  
THE CO-OPERATIVE STUDY OF BRAIN INJURY DEPOLARISATIONS („COSBID“): THE IMPACT OF THE TSUNAMIS (S1-2)
- 9:50 Jens P. Dreier, Berlin  
SPREADING DEPRESSION OF HIGH-FREQUENCY NEURONAL ACTIVITY AND LOW-FREQUENCY VASCULAR FLUCTUATIONS CORRELATE IN THE HUMAN BRAIN DURING NORMAL AND INVERSE NEUROVASCULAR COUPLING (S1-3)
- 10:15 **Coffee Break**
- 10:45 Martin Fabricius, M. O. Group, Glostrup (Denmark)  
THE RELATION BETWEEN SPREADING DEPOLARISATIONS AND OUTCOME AFTER ACUTE NEURONAL INJURY IN THE HUMAN BRAIN (S1-4)
- 11:10 Christian Dohmen, O. W. Sakowitz, M. Fabricius, B. Bosche, J. P. Dreier, J. Woitzik, A. J. Strong, R. Graf, Cologne  
SPREADING DEPOLARISATIONS OCCUR IN HUMAN ISCHEMIC STROKE WITH HIGH INCIDENCE (S 1-5)
- 11:35 Martin Lauritzen, Glostrup (Denmark)  
SPREADING DEPRESSION IN MIGRAINE (S1-6)



## Introductory Remarks to Symposium 2

# Neural computation by retinal circuits

*Tim Gollisch and Günther Zeck, Martinsried*

How do neuronal circuits extract and represent specific features of the sensory environment? This is a question of central interest in the study of brain function. To address it, the neural network of the vertebrate retina provides an extraordinary model system. Its well-established basic circuitry and good experimental accessibility together with precise control over its inputs offer us a unique basis to study neural computation and population coding. Early on, this paved the road for paradigmatic discoveries in neural processing, such as the structure of receptive fields and motion sensitivity, investigated by Hartline, Kuffler, Barlow and other pioneers in retina research. Today, the advent of new optical and electrical multi-neuron recording techniques allow us to extend these approaches from single cells to the population level and to study how different cell types in the retina contribute to particular computations. We are thus beginning to understand which aspects of the population activity encode different stimulus features and how individual circuit elements contribute to this neural code. This symposium will discuss recent examples of using the new experimental techniques to investigate how the retina computes different components of the visual scene. To start, Thomas Euler will provide insights into the computational power of dendritic processing in the retina. Subsequently, Thomas Münch and Michiel van Wyk will evaluate how retinal ganglion cells integrate dendritic signals to represent relevant visual information. The single cell investigations are taken to the population level in the talks of Michael Berry and Jutta Kretzberg who will focus on the encoding properties of visual stimuli by populations of retinal ganglion cells. Finally, Matthias Bethge's talk will shine light on the teleological aspect of neural computation in the retina.

## Symposium 2

*Thursday, March 26, 2009*  
9:00 – 12:00, Lecture Hall 105

Chair: Tim Gollisch and Günther Zeck, Martinsried

### 9:00 **Introduction**

9:05 Thomas Euler, Heidelberg  
THE ROLE OF DENDRITIC PROCESSING IN  
THE RETINA (S2-1)

9:30 Thomas A. Münch, R. A. da Silveira, S. Siebert, B.  
Roska, Tübingen  
APPROACH SENSITIVITY IN THE MAMMALIAN  
RETINA (S2-2)

9:55 Michiel van Wyk, H. Wässle, Frankfurt/M.  
TEMPORAL FILTERING BY A-TYPE GANGLION  
CELLS IN THE MOUSE RETINA (S2-3)

### 10:20 **Coffee Break**

10:40 Michael J. Berry II, Princeton, New York (USA)  
READING OUT A CORRELATED POPULATION  
CODE (S2-4)

11:05 Jutta Kretzberg, L. M. Juarez Paz, Oldenburg  
SPIKE RATES AND TEMPORAL STRUCTURE OF  
RETINAL GANGLION CELL RESPONSES  
ENCODE DIFFERENT STIMULUS PROPERTIES  
(S2-5)

11:30 Matthias Bethge, M. Dipoppa, Tübingen  
WHAT IS THE GOAL OF NEURAL IMAGE  
PROCESSING IN THE RETINA? (S2-6)



## Introductory Remarks to Symposium 3

# Microglia: The big player in pathology

*Knut Biber and Helmut Kettenmann, Groningen and Berlin*

The last decade has dramatically changed our view concerning microglia. Ramified microglia of the unchallenged CNS are not anymore considered as „resting“ since *in vivo* 2-photon microscopy showed highly motile processes with which these cells actively screen their microenvironment. As a consequence microglia are the first cells that respond to any type of pathologic event in the brain. Microglial cells are thus **the** pathologic sensors of the brain. Due to some pro-inflammatory features of microglia they have originally been viewed as harmful cells for the CNS environment. It has, however, meanwhile become apparent that microglial cells can respond in quite distinct ways to different pathological situations and also during the pathologic process. Microglia are thereby integrating various inputs and responding appropriately with a variety of different reactions. It is clear today that properly controlled microglia activity is essential for neuronal survival under disease conditions and that only in case of non-controlled (excessive) activation these cells might be harmful for neurons. It is thus of crucial interest to understand how microglia activity is controlled. In the last years we have gained new insights into the control mechanisms of microglial activation and their impact on the progression of diseases. The speakers of this symposium will address various new aspects concerning the control of microglia and will illustrate the impact of microglia action in CNS pathology.

## Symposium 3

*Thursday, March 26, 2009*  
*9:00 – 12:00, Hall 104*

Chair: Knut Biber and Helmut Kettenmann,  
Groningen and Berlin

- 9:00 Marco Prinz  
MICROGLIA ENGRAFTMENT IN THE POSTNATAL BRAIN: THE QUESTIONS SHAPE THE ANSWERS (S3-1)
- 9:25 Knut Biber, Groningen (Netherlands)  
CHEMOKINES IN NEURON-MICROGLIA SIGNALING (S3-2)
- 9:50 Mami Noda, M. Ifuku, Y. Okuno, Fukuoka (Japan)  
EFFECTS OF NEUROPEPTIDES ON MICROGLIA UNDER PATHOPHYSIOLOGIC CONDITIONS (S3-3)
- 10:10 **Coffee Break**
- 10:45 Katrin Färber, Berlin  
NEUROTRANSMITTER CONTROL MICROGLIAL FUNCTIONS (S3-4)
- 11:10 Bente Finsen, Odense C (Denmark)  
MICROGLIAL CELLS AS SENSORS AND MODULATORS OF BRAIN PATHOLOGY (S3-5)
- 11:35 Frank L. Heppner, Berlin  
MICROGLIA: HOW BIG ARE THEY REALLY? (S3-6)



## Introductory Remarks to Symposium 4

# Unraveling the mechanisms of dopamine dysfunctions in neuropsychiatric disorders: From worms to (wo)men

Anna Katharina Braun and Richard Nass, Magdeburg and Indianapolis (USA)

*„Ye have made your way from the worm to man, and much within you is still worm. Once were ye apes, and even yet man is more of an ape than any of the apes.“ F. Nietzsche from „Also sprach Zarathustra“*

Dopamine appeared very early in the course of evolution and is involved in many functions that are essential for survival of the organism, such as attentiveness, motivation, learning, and memory formation. Dopamine acts as a key neurotransmitter in the brain and is expressed in restricted brain areas involved in numerous integrative functions contributing to automated behaviors that are highly adaptive, such as the regulation of motor and limbic functions. Since the dopaminergic influence is mainly exerted over the frontal lobe and basal ganglia, it has been suggested that cognitive deficits express alteration in these subcortical brain structures closely linked to cortical areas, more than simple deficit in dopaminergic transmission. This point is still a matter of debate but, undoubtedly, DA acts as a powerful regulator of different aspects of cognitive brain functions. In this respect, normalizing DA transmission will contribute to improve the cognitive deficits not only related to neurological or psychiatric diseases, but also in normal aging. Ontogenetic and phylogenetic analysis of dopaminergic systems can provide evidences for a role of DA in the development of cognitive general capacities. DA can have a trophic action during brain maturation, which may influence the later cortical specification, particularly of pre-frontal cortical areas. Moreover, the characteristic extension of the dopaminergic cortical innervation in the rostro-caudal direction during the last stages of evolution in mammals can also be related to the appearance of progressively more developed cognitive capacities. Such an extension of cortical DA innervation could be related to increased processing of cortical information through basal ganglia, either during the course of evolution or development. All together, it can be suggested that a correlation exists between DA innervation and expression of cognitive capacities. Altering the dopaminergic transmission could, therefore, contribute to cognitive impairment. In the early stages of Parkinson's disease (PD), alterations of executive functions suggest a role for DA in regulating cognitive functions. Other disorders, which can also involve DA dysfunction, such as schizophrenia or attention deficit hyperactivity disorder (ADHD) in children, also show alteration of cognitive functions. The lectures of this symposium will highlight novel advances in our knowledge of dopamine-mediated cognitive functions (W. Hauber) and of dopamine-related brain dysfunctions such as Parkinson's disease (R. Nass), Schizophrenia (M. Koch) ADHD (J. Bock, G. Juckel) and addiction (A. Heinz).



## Symposium 4

Thursday, March 26, 2009  
9:00 – 12:00, Lecture Hall 9

Chair: Anna Katharina Braun and Richard Nass,  
Magdeburg and Indianapolis (USA)

- 9:00 Richard Nass, Indianapolis (USA)  
MOLECULAR MECHANISMS OF DOPAMINE  
NEURODEGENERATION: *C. ELEGANS* AS A  
NOVEL PHARMACOGENETIC MODEL FOR  
PARKINSON'S DISEASE AND MANGANISM  
(S4-1)
- 9:30 Wolfgang Hauber, Stuttgart  
DOPAMINE MODULATION OF COGNITIVE  
FUNCTIONS IN RODENTS: IMPLICATIONS  
FOR PSYCHIATRY (S4-2)
- 10:00 Jörg Bock, S. Zehle, K. Braun, Magdeburg  
CAN METHYLPHENIDATE „NORMALIZE“  
INATTENTIVENESS, BRAIN HYPOFUNCTION  
AND SYNAPTIC WIRING? FUNCTIONAL  
IMAGING AND NEUROANATOMICAL ANALY-  
SIS IN A NOVEL ANIMAL MODEL FOR ADHD  
(S4-3)
- 10:30 Georg Juckel, H. Witthaus, S. Lissek, M.  
Tegenthoff, M.-A. Edel, Bochum  
NEUROBIOLOGICAL AND CLINICAL ASPECTS  
OF DOPAMINE DYSFUNCTION IN HUMAN  
ADHD (S4-4)
- 11:00 Michael Koch, Bremen  
ANIMAL MODELS OF SCHIZOPHRENIA -  
FOCUS ON THE DOPAMINE HYPOTHESIS  
(S4-5)
- 11:30 Andreas Heinz, Berlin  
REWARD PREDICTION ERROR AND ITS  
DYSFUNCTION IN PSYCHIATRIC DISORDERS:  
ROLE OF DOPAMINERGIC MECHANISMS  
(S4-6)



## Introductory Remarks to Symposium 5

# *Drosophila* Senses: Genetic dissection of neural circuitry and processing

André Fiala and Martin Göpfert, Würzburg and Köln

The external world is represented in the brain by spatio-temporal activity patterns of neuronal ensembles: external stimuli such as light, odours, or sound are transduced in the periphery and subsequently transformed by central neural pathways, resulting in increasingly abstract representations of the external stimulus world that give rise to perceived qualities such as colours, tones, and smells, which ultimately guide the animal's behaviour. *Drosophila* genetics provides powerful methods to visualize neuronal pathways and to monitor and manipulate the activity patterns of neuronal ensembles. In recent years a variety of novel tools has been described that allow one to directly combine genetics with physiology, such as DNA-encoded sensors, optogenetic activators or methods to restrict expression patterns to particular substructures of a neural circuit. Thus, *Drosophila* no longer represents solely a classical genetic model organism, but provides an excellent system to exploit these tools for dissecting the functional logic of sensory information processing in the brain. This functional dissection will be the topic of the symposium, which focuses on recent advances in our understanding of the step-wise processing and integration of sensory information in the central nervous system of the fly. After a general introduction to the architecture of the *Drosophila* brain (Fischbach) and the genetic tools that are available to assess brain function (Reiff), a variety of sensory circuits will be addressed that serve visual motion detection (Reiff), color vision (Wolf), hearing and gravity sensation (Kamikouchi), olfaction at the molecular and circuit level (Benton, Sachse), olfactory learning and memory (Tanimoto), as well as ethanol preference (Scholz). Covering a wide range of sensory modalities and linking neural response characteristics, neural circuitry, and behaviour, we believe that the symposium will strongly foster cross-fertilization between neuroscientific disciplines.

## Symposium 5

Thursday, March 26, 2009  
9:00 – 12:00, Hall 8

Chair: André Fiala and Martin Göpfert, Würzburg and Köln

- 9:00 Karl-Friedrich Fischbach, Freiburg  
FROM ANATOMICAL DESCRIPTION TO GENETIC MANIPULATION OF BRAIN CIRCUITRY (S5-1)
- 9:20 Dierk F. Reiff, M. Joesch, B. Schnell, J. Plett, T. Hendel, J. Shi, M. Mank, O. Griesbeck, B. Alexander, Martinsried  
VISUAL PROCESSING IN THE *DROSOPHILA* BRAIN: A COMBINED OPTOPHYSIOLOGICAL, ELECTROPHYSIOLOGICAL AND GENETIC APPROACH (S5-2)
- 9:40 Reinhard Wolf, P. Sareen, S. Yamaguchi, M. Heisenberg, Würzburg  
INVESTIGATION OF SELECTIVE VISUAL ATTENTION IN *DROSOPHILA* DURING TETHERED FLIGHT (S5-3)
- 10:00 Azusa Kamikouchi, H. K. Inagaki, T. Effertz, A. Fiala, K. Ito, M. C. Göpfert, Tokyo (Japan)  
SEGREGATED NEURAL PATHWAYS FOR *DROSOPHILA* GRAVITY SENSING AND HEARING (S5-4)
- 10:20 **Coffee Break**
- 10:40 Richard Benton, Lausanne (Switzerland)  
THE MOLECULAR BIOLOGY OF *DROSOPHILA* OLFACTION (S5-5)
- 11:00 Silke Sachse, V. Grabe, M. Schubert, S. Bisch-Knaden, B. S. Hansson, Jena  
NEURAL CIRCUITS UNDERLYING OLFACTORY PROCESSING IN *DROSOPHILA* (S5-6)
- 11:20 Hiromu Tanimoto, Y. Aso, Martinsried  
NEURAL CIRCUITS UNDERLYING OLFACTORY LEARNING AND MEMORY IN *DROSOPHILA* (S5-7)
- 11:40 Henrike Scholz, A. Schneider, M. Ogueta-Gutierrez, Y. Ritze, S. Rauchfuss, Würzburg  
DISSECTING NEURONAL NETWORKS UNDERLYING ETHANOL INDUCED BEHAVIORS SEROTONIN REGULATES ETHANOL TOLERANCE IN *DROSOPHILA* (S5-8)



## Introductory Remarks to Symposium 6

# Generation of cellular diversity in the forebrain

*Victor Tarabykin and Alexander von Holst, Göttingen and Bochum*

The forebrain is the most sophisticated part of the CNS. It contains many cell types generated from neural stem cells (NSCs) that are located in the ventricular zone of the developing CNS. There, NSCs divide symmetrically to expand themselves at early developmental stages when they are referred to as neuroepithelial cells. As development proceeds and neurogenesis occurs NSCs are the well-known radial glia cells. During neurogenesis radial glia cells of the dorsal telencephalon undergo asymmetric divisions that generate two daughter cells with different cell fates. One daughter cell retains the radial glia character and the other daughter cell becomes a postmitotic neuron that will leave the ventricular zone and migrate along the parental radial fiber into the cortical plate. The birth date of the neuron determines its position in the six-layered cortex of the postnatal and adult brain in a way that has been termed „inside-out“ development because earlier-born neurons are destined for prospective deep layers and later-born neurons for future upper layers of the cortex. The generation of neurons from radial glia cells is similar in the ventral telencephalon. However, all interneurons of the cortex are born ventrally in the ganglionic eminences but they embark on a tangential migration into the cortex. It is of central importance to understand when and how the different types of neurons are generated and how they reach their final position and phenotypic characters in the cortex. The timing and position of birth appear to be of central importance as will become clear from the work presented by Magdalena Götz, Francois Guillemot, Gord Fishell, Harold Cremer and Victor Tarabykin. They will report on the crucial importance of various classes of transcription factors for the cell fate determination and specification of neuronal progenitors at different developmental time points in the dorsal (Tarabykin) and ventral (Fishell) telencephalon. Francois Guillemot and Harold Cremer will talk about control of neuronal migration. For neurogenesis to occur normally it is also required that NSCs do not undergo premature generation of glial cells. Gliogenesis begins at later developmental stages after neurogenesis is largely over and continues in early postnatal stages. Alexander von Holst will present data that show how the extracellular matrix sustains neural stem cells and influences the choice between neuronal and glial cell fates. Both neurogenesis and gliogenesis continue in the adult brain in two specialized regions of the forebrain. These regions are the neural stem cell niches of the subventricular zone in the lateral ventricle wall and the subgranular

## Symposium 6

Thursday, March 26, 2009  
9:00 – 12:00, Lecture Hall 103

Chair: *Victor Tarabykin and Alexander von Holst,  
Göttingen and Bochum*

- 9:00 Magdalena Götz, Neuherberg  
NEUROGENESIS FROM GLIAL CELLS: NEW  
VIEWS ON STEM CELLS AND REPAIR IN THE  
BRAIN (S6-1)
- 9:25 Harold Cremer, C. Boutin, O. Hardt, A.  
Desoeuvre, A. Bosio, Marseille (France)  
MOLECULAR CONTROL OF NEUROGENESIS  
IN THE ADULT FOREBRAIN (S6-2)
- 9:50 Alexander von Holst, Bochum  
THE INSTRUCTIVE ROLE OF EXTRACELLULAR  
MATRIX MOLECULES IN THE NEURAL STEM  
CELL NICHE (S6-3)
- 10:15 **Coffee Break**
- 10:45 Victor Tarabykin  
MOLECULAR CONTROL OF CELL FATE  
SPECIFICATION IN THE CEREBRAL CORTEX  
(S6-4)
- 11:10 Francois Guillemot, E. Pacary, D. Castro, London  
(UK)  
TRANSCRIPTIONAL CONTROL OF NEURO-  
NAL MIGRATION IN THE MOUSE BRAIN (S6-5)
- 11:35 Gord Fishell, R. Batista Brito, V. Sousa, New  
York (USA)  
THE DEVELOPMENTAL GENETIC BASIS OF  
CORTICAL INTERNEURON DIVERSITY: THE  
ROLE OF NKX2-1 TARGET GENES (S6-6)

---

zone of the dentate gyrus, where interneurons of the olfactory bulb and the granule cells of the hippocampus are generated life-long. Thus, the same mechanism(s) employed during development might also be important for the understanding of adult neurogenesis and how it is regulated this will be discussed by Magdalena Götz. Taken together, our symposium tries to summarize the current views of how the diversity of neuronal and glial subtypes is established, balanced and controlled.



## *Introductory Remarks to Symposium 7*

# **Spinal cord injury research: from bench to bedside**

*Karim Fouad, Edmonton (CA)*

Injured spinal axons do not regenerate following spinal cord injury (SCI) in the adult, due to various growth inhibitors in the axonal environment and due to the limited axonal growth capability itself. Meanwhile, numerous successful preclinical results provided optimism to tackle a historical paradigm in promoting functional regeneration/plasticity. However, their transfer into clinically meaningful treatment strategies is complicated by substantial species differences and difficulties in valid trial design. In addition, it is agreed upon that significantly improved recovery might require combinatorial approaches to address the many-sided barriers to spinal repair after spinal cord injury. In this symposium, we will discuss cutting edge approaches to improve recovery after spinal cord injury in animal models, and humans. These approaches range from the promotion of neurite regeneration/plasticity by (i) manipulating the inhibitory growth environment (Tetzlaff, Blesch, Müller) or (ii) boosting directly the intrinsic, axonal recovery potential attributed to rehabilitation leading to functional recovery following incomplete spinal cord injury in rats (Fouad) and in humans (Dietz). Complementary, neuroprotection (Tetzlaff) will enhance recovery and the likelihood of meaningful axonal rewiring providing a higher number of residual neurons to form new connections. Furthermore, although various neuro-immunological studies addressed the ambivalent impact of invading immune cells into the lesioned CNS site, the impact of a CNS lesion on the systemic immune system is fairly unexplored. Since infections limit the intrinsic recovery potential and are among the leading causes of death in SCI-patients, a better understanding of the mechanisms how SCI deteriorates immune surveillance might provide an additional tool to promote functional recovery after SCI (Schwab).

## Symposium 7

Friday, March 27, 2009  
9:00 – 12:00, Hall 105

Chair: Karim Fouad, Edmonton (CA)

- 9:00 Wolfram Tetzlaff, J. Sparling, J. Biernaskie, F. Bretzner, J. Liu, F. D. Miller, Vancouver (Canada)  
SKIN-DERIVED PROGENITORS PRE-DIFFERENTIATED INTO SCHWANN CELLS FOR SPINAL CORD REPAIR (S7-1)
- 9:25 Armin Blesch, La Jolla (USA)  
MODULATION OF INTRINSIC AND EXTRINSIC FACTORS FOR AXONAL REGENERATION AFTER SPINAL CORD INJURY (S7-2)
- 9:50 Hans Werner Müller, Düsseldorf  
THERAPEUTIC CONCEPTS TO OVERCOME REGENERATION BARRIERS IN SPINAL CORD INJURY (S7-3)
- 10:15 **Coffee Break**
- 10:45 Karim Fouad, A. Krajacic, J. Girgis, M. Ballermann, D. D. Pearse, W. Tetzlaff, Edmonton (Canada)  
ENHANCING INJURY INDUCED PLASTICITY FOLLOWING SPINAL CORD INJURY IN RATS (S7-4)
- 11:10 Martin Schubert, H. van Hedel, V. Dietz, Zürich (Switzerland)  
SPINAL CORD INJURY ASSESSMENT AND TREATMENT (S7-5)
- 11:35 Jan Schwab, Berlin  
SPINAL CORD INJURY INDUCED IMMUNE DEPRESSION SYNDROME (SCI-IDS) (S7-6)



## Introductory Remarks to Symposium 8

# The fine-scale structure of the cortical network: implications for its dynamics and function

*Tom Tetzlaff and Birgit Kriener, Ås (Norway) and Göttingen*

Although different neocortical areas are involved in very different functions, they are remarkably similar in terms of their anatomical and electrophysiological properties. This observation has inspired the idea of a 'canonical cortical microcircuit' - a fundamental processing unit which can be recruited by different cortical or subcortical areas and solve very different tasks. It is however still unclear what these fundamental computational principals are that underly or support brain function. To shed light on this it is necessary to uncover the wiring properties of the cortical network and to study how the architecture determines the dynamics of this system. In the past, modellers have often treated the cortical microcircuit as an unstructured mass of cells, which are randomly connected through weak synapses, thereby providing us with a profound understanding of basic aspects of cortical activity (like for example the nature of spiking irregularity, the source of synchronous or oscillatory firing, pattern formation etc.). In this rather statistical approach the contribution of single cells and the impact of single action potentials is considered to be negligible; individual sequences of spikes take on the role of specific realisations of certain macrostates which fully characterise the system's dynamics. Recent experimental studies have now confronted us with a very different scenario: It has been shown that the cortex deviates significantly from a pure random structure - even on a microscopic scale. Different neuron types in different cortical layers are specifically interconnected, specific fine-scale subnetworks are embedded into larger scale-functional columns. Intracellular recordings in awake behaving animals have shown that cortical neurons seem to fire much more rarely than previously thought; the information content of each individual action potential thus appears to be substantial. Further, it has been demonstrated that the perturbation of single neurons can significantly alter the outcome of a complex task even on a behavioural level. Theoretical neuroscientists have recently started to integrate these findings into their models and to investigate what the consequences for the dynamics and the function of the cortical microcircuit are. The aim of this symposium is to provide a common platform for neuroscientists from different fields and to discuss the following questions: How important are single spikes and the impact of single cells for the dynamics of the cortical network? How crucial is the network topology for cortical dynamics and function? Can we identify network structure from observed neural activity?



## Symposium 8

Friday, March 27, 2009

9:00 – 12:00, Hall 9

Chair: Tom Tetzlaff and Birgit Kriener,  
As (Norway) and Göttingen

9:00 **Opening remarks**

9:05 Arthur Houweling, Rotterdam (Netherlands)  
BEHAVIORAL REPORT OF SINGLE-NEURON  
STIMULATION IN THE SOMATOSENSORY  
THALAMOCORTICAL SYSTEM (S8-1)

9:30 Bjoern Kampa, Zürich (Switzerland)  
CORTICAL FEED-FORWARD NETWORKS FOR  
BINDING DIFFERENT STREAMS OF SENSORY  
INFORMATION (S8-2)

9:55 Kevan A. Martin, Zürich (Switzerland)  
MAPPING THE MATRIX: FROM SYNAPSES TO  
CIRCUITS IN NEOCORTEX (S8-3)

10:20 **Coffee Break**

10:40 Robert Albin Legenstein, Graz (Austria)  
COMPUTATIONAL POWER OF RECURRENT  
NEURAL NETWORKS: THE ROLE OF SPIKES,  
NETWORK STRUCTURE, AND DYNAMICS  
(S8-4)

11:05 Alex Roxin, New York (USA)  
THE EFFECT OF DEGREE DISTRIBUTION ON  
THE DYNAMICS OF SPARSELY CONNECTED  
NEURONAL NETWORKS (S8-5)

11:30 Marc Timme, R.-M. Memmesheimer, Göttingen  
PROPAGATION OF SYNCHRONOUS  
ACTIVITY IN CIRCUITS WITHOUT SPECIFIC  
FEED-FORWARD ANATOMY (S8-6)





## Introductory Remarks to Symposium 9

# Neuroplasticity and neuroprotection in neurodegenerative diseases: Models and mechanisms

*Markus Morawski and Moussa Youdim, Leipzig and Haifa (Israel)*

Mental function is based on the dynamic organization of neuronal networks. In particular, phylogenetically young brain areas (e.g. cortical associative circuits), involved in the realization of 'higher brain functions' such as learning, memory, perception, self-awareness and consciousness, are continuously re-adjusted even after development is completed. By this life-long self-optimization process, epigenetic information re-models the cognitive, behavioural and emotional reactivity of an individual to meet the environmental demands. To organize brain structures of increasing complexity during evolution, the process of selective dynamic stabilization and de-stabilization of synaptic connections becomes more and more important. The mechanisms of structural stabilization and labilization underlying a life-long neuroplastic remodeling according to experience, are accompanied, however, by an increasing inherent potential of failure and may, thus, not only allow for the evolutionary acquisition of 'higher brain function' but at the same time may provide the basis for selective neuronal vulnerability and, thus, neurodegenerative disorders. The present symposium will address molecular and cellular mechanism that potentially provide the link between neuroplasticity and neurodegeneration. Structural synaptic plasticity requires a turnover of membranes that is based on highly regulated pathways of lipid metabolism that are pathologically altered in neurodegenerative disorders such as Alzheimer's disease (Tobias Hartmann). Zytoskeletal proteins, in particular microtubule-associated proteins such as the tau-protein are dynamically redistributed and posttranslationally modified both during neuroplastic processes and in neurodegeneration (Roland Brandt). The mechanisms of neuroplasticity, i.e. of modifyable interneuronal connectivity, are largely based on external morphoregulatory cues and internal signaling pathways that non-neuronal cells have phylogenetically acquired to sense their relationship to the local neighbourhood and to control proliferation and differentiation in the process of tissue repair and regeneration after development is completed. Perineuronal nets, i.e. specialised components of the extracellular matrix, might be involved in regulating the neuroplastic potential of neurons (Tommaso Pizzorusso), and also play a crucial role during axonal regeneration (Annalisa Buffo). Differentiated neurons that have withdrawn from the cell cycle use the molecular machinery of cell division control alternatively to control synaptic plasticity (Thomas Arendt). The existence of these alternative effector pathways within a neuron puts it on the risk to erroneously convert signals derived from plastic synaptic changes into positional cues that will activate the cell cycle. This cell cycle activation potentially links synaptic plasticity to cell death. Preventing cell cycle activation by locking neurons in a differentiated but still highly plastic phenotype will, thus, be crucial to prevent neurodegeneration (Mussa Youdim).

## Symposium 9

Friday, March 27, 2009

9:00 – 12:00, Hall 10

Chair: Markus Morawski and Moussa Youdim,  
Leipzig and Haifa (Israel)

- 9:00 **Opening remarks**  
Markus Morawski, Leipzig
- 9:10 Tobias Hartmann, Homburg  
ROLE OF LIPIDS IN NEUROPROTECTION AND  
NEURODEGENERATION IN ALZHEIMER'S  
DISEASE AMYLOIDOSIS (S9-1)
- 9:35 Roland Brandt, Osnabrück  
SPINE ALTERATIONS IN ALZHEIMER'S DISEASE  
MODELS (S9-2)
- 10:00 Tommaso Pizzorusso, Pisa (Italy)  
MOLECULAR DETERMINANTS OF NEURAL  
PLASTICITY IN THE ADULT VISUAL CORTEX  
(S9-3)
- 10:25 **Coffee Break**
- 10:45 Annalisa Buffo, F. Rossi, D. Carulli, Turin (Italy)  
INTRINSIC GROWTH POTENTIAL, REGULA-  
TORY MOLECULES AND EXPERIENCE: THE  
COMPLEX INTERPLAY REGULATING NEURO  
NAL PLASTICITY (S9-4)
- 11:10 Thomas Arendt, Leipzig  
SYNAPTIC PLASTICITY AND CELL CYCLE ACTI-  
VATION IN NEURONS ARE ALTERNATIVE  
EFFECTOR PATHWAYS. THE ROLE OF PROLIFE-  
RATION CONTROL FOR PLASTICITY AND  
NEURODEGENERATION (S9-5)
- 11:35 Mussa Youdim, Haifa (Israel)  
NOVEL THERAPEUTIC APPROACHES CONSTI-  
TUTING MULTIMODAL NEUROPROTECTIVE  
AND NEURORESTORATIVE DRUGS FOR  
ALZHEIMER'S DISEASE (S9-6)

We acknowledge the support  
of the Interdisciplinary Center  
of Clinical Research (IZKF)  
Leipzig, Faculty of Medicine,  
University of Leipzig.





## Introductory Remarks to Symposium 10

# Stress and cognition: From structure to function

*Mathias V. Schmidt and Michael Gruss, München and Magdeburg*

Cognitive dysfunction is known to play a pivotal role in a variety of diseases including major depression and anxiety disorders and there is evidence that cognitive impairment may in fact underlie many of the affective symptoms. On the other hand, late-onset depressive symptoms can often be a prodrome of cognitive decline and represent early manifestations of memory disorders. Sustained hyperactivity of the hypothalamus-pituitary-adrenal (HPA) axis has been hypothesized to represent a risk factor for both depressive disorders and cognitive impairment. Unlike brief periods of stress, which are rather thought to enhance cognition, chronic stress may be very detrimental and constitutes a key risk factor for diseases that affect memory performance. The molecular mediators of the profound effects of stress on hippocampus-dependent cognitive functions are not fully understood. Glucocorticoids, the stress hormones secreted from the adrenal cortex, mediate many effects of stress on hippocampal neurons. More recently, other stress-activated mediators, including corticotropin releasing hormone (CRH), have been implicated in stress-induced activation of hippocampal pyramidal cells and in the actions of stress on synaptic plasticity and cognitive function. This symposium will present a state of the art overview of the mechanisms by which stress throughout life may provoke cognitive and structural dysfunction in animal models as well as in humans. Prof. Baram will focus on the profound and long-lasting effects of chronic early-life stress on the cognitive function, plasticity and fine-structure of hippocampal neurons, and discuss the potential mediators involved in these effects. Dr. Krugers will address specific molecular mechanisms, which are involved in modulating hippocampal function during stress. Dr. Schwabe will highlight several aspects of stress and cognitive impairments in humans, ranging from acute to more chronic effects. Finally, Dr. Gruss will address the importance of early life development on adult neuroanatomy and cognition, while Dr. Schmidt will present recent data on the role of novel cell adhesion molecules in the effects of stress on memory. Together, the proposed presentations will give the audience an excellent overview over the field.

## Symposium 10

Friday, March 27, 2009  
9:00 – 12:00, Hall 8

Chair: Mathias V. Schmidt and Michael Gruss,  
Munich and Magdeburg

### 9:00 **Opening remarks**

9:05 Tallie Z. Baram, Y. Chen, C. Dube, C. Rice, A. Ivy,  
Irvine (USA)

NOVEL MECHANISMS FOR COGNITIVE DYS-  
FUNCTION AND LOSS OF SYNAPTIC PLASTI-  
CITY PROVOKED BY STRESS: CORTICOTRO-  
PIN RELEASING HORMONE (CRH) AND DEN-  
DRITIC SPINES (S10-1)

9:35 Harm Krugers, S. Martin, J. Henley, M. Zhou, M.

Joels, C. C. Hoogenraad, Amsterdam (NL)

STRESS HORMONES MODULATE AMPAR  
MOBILITY AND FACILITATE SYNAPTIC  
PLASTICITY (S10-2)

10:05 Lars Schwabe, H. Schächinger, M. S. Oitzl,  
Bochum

STRESS AND CORTICOSTEROIDS MODULATE  
THE USE OF MULTIPLE MEMORY SYSTEMS IN  
MICE AND MAN (S10-3)

### 10:35 **Coffee Break**

10:50 Michael Gruss, K. Braun, Magdeburg

EARLY LIFE STRESS SHAPES LIMBIC AND  
PREFRONTAL SYNAPTIC NETWORKS AND  
AFFECTS COGNITIVE FUNCTION IN  
ADOLESCENCE AND ADULTHOOD (S10-4)

11:20 Mathias V. Schmidt, X.-D. Wang, M. Wolf, C.

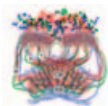
Burgdorff, T. Z. Baram, M. B. Müller, München  
STRESS AND COGNITION: THE ROLE OF  
NOVEL SYNAPTIC CELL ADHESION  
MOLECULES (S10-5)

### 11:50 **Concluding Remarks**



## Introductory Remarks to Symposium 11

## The arthropod central complex: evolutionary, developmental, genetic and functional aspects



George Boyan, Martinsried

The arthropod central complex represents one of the foremost model systems for studying the evolutionary, developmental, genetic and functional aspects of a highly organized, modular, brain neuroarchitecture. This symposium aims to summarize our current knowledge of the way the central complex is involved in multimodal information processing, regulates coordinated motor behaviour, develops during embryogenesis and may have evolved among the arthropods. We will show that the central complex of acoustically communicating grasshoppers, for example, coordinates the type, intensity and timing of sound signals used for mate attraction, courtship and rivalry. Sound production can be shown to depend on the balance of fast and slow excitation and inhibition in central-complex neuropils mediated by various transmitters, modulators and intracellular signalling pathways. Comparisons across insect and crustacean brains demonstrate that elaboration or diminution of the central complex's layered and tangential modules directly relates to modes of limb action during locomotion. Thus, the most demanding leg coordination requires complex modules, reafferent motor pathways, and precise spatial representation of sensory and motor maps. An example of such a sensory map is the celestial compass for spatial orientation and navigation provided by the polarization vision system in locusts. Here, single-cell recordings in the columns of the protocerebral bridge reveal a compass-like linear map of *E*-vector tunings which suggest that the central complex computes and codes for azimuthal directions that may be used for the recognition of objects in space. Spatial orientation is also critical if animals are to negotiate unpredicted barriers in natural terrain. Using lesioning, population of neurons within the central complex of cockroaches can be shown to process information on barriers and ambient conditions, then formulate appropriate commands which descend to local control centers where they alter a few critical reflexes. Neuronal circuits of the central complex underlying behavioural control of walking and climbing have also been investigated using mutant lines in the fly *Drosophila*. In the *tay bridge 1* (*tay 1*) mutant, there is a mid-sagittal constriction of the protocerebral bridge. Cloning the gene and using different driver lines to express the *tay* cDNA in various neuronal subpopulations of the central brain in *tay 1*-mutant flies shows an association between aberrant walking speed and activity with this structural defect in the protocerebral bridge. Despite extensive analyses of its modular neuroarchitecture in adults, little is known about the ontogeny of the central complex in any arthropod. Using dye tracing, lineage analysis, and

## Symposium 11

Friday, March 27, 2009

9:00 - 12:00, Hall 104

Chair: George Boyan, Martinsried

### 9:00 **Opening remarks**

9:10 Uwe Homberg, S. Heinze, Marburg  
CODING OF CELESTIAL *E*-VECTOR ORIENTATIONS IN THE CENTRAL COMPLEX OF THE DESERT LOCUST (S11-1)

9:35 Ralf Heinrich, Göttingen  
CENTRAL NERVOUS CONTROL OF GRASSHOPPER SOUND PRODUCTION: NEURONS, CHEMICAL MESSENGERS AND THE FLOW OF INFORMATION THE CENTRAL COMPLEX (S11-2)

10:00 Roy E. Ritzmann, Cleveland (USA)  
DEALING WITH UNPREDICTABLE BARRIERS IN NATURAL TERRAIN: ROLES OF BRAIN AND LOCAL CONTROL CENTERS (S11-3)

### 10:25 **Coffee break**

10:45 George Boyan and Leslie Williams, Martinsried  
EMBRYONIC DEVELOPMENT OF THE CENTRAL COMPLEX IN THE GRASSHOPPER (S11-4)

11:10 Roland Strauss, K. Neuser, T. Triphan, B. Kienitz, B. Poeck, Mainz and Würzburg  
MODULES OF BEHAVIORAL CONTROL IN THE CENTRAL COMPLEX OF *DROSOPHILA* (S11-5)

11:35 Nick Strausfeld, Tucson (USA)  
MID-LINE NEUROPILS IN ARTHROPODS: DIVERGENT EVOLUTION FROM AN ANCESTRAL GROUNDPLAN (S11-6)

---

immunocytochemistry during embryogenesis in the grasshopper, it has proven possible to relate tracts known from the adult to specific neuroblasts, lineages of neurons, and pioneer fibre projections and demonstrate a temporal topology for establishing the neuroarchitecture of the central complex.

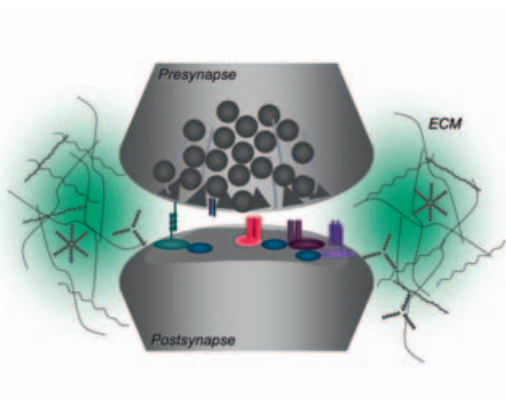


## Introductory Remarks to Symposium 12

## Caught in the net? Extracellular matrix molecules in synapse formation and plasticity

*Constanze Seidenbecher and Andreas Faissner, Magdeburg and Bochum*

Brain synapses are wrapped by a dense meshwork of extracellular matrix (ECM), which consists of glycoproteins and proteoglycans of glial as well as neuronal origin. The specific form of ECM is known since 100 years as perineuronal nets (PNN) and is thought to be critical for the development as well as for the function of brain synapses. In recent years the ECM field made much progress and interesting data were accumulated supporting the view that the ECM in the brain may act as a guiding frame for synapse formation, as a diffusion constraint for neurotransmitters and neurotrophic factors, as a regulator for neuronal excitability and synaptic plasticity, and as a barrier for recovery and nerve regrowth after injury. Our symposium will enlighten recent progress in our understanding of ECM significance for synaptogenesis and plasticity. Speakers will cover different aspects such as thrombospondin-induced synapse formation, ECM-dependent mobility of (extra-) synaptic glutamate, the effects of tenascins and ECM-associated glycans on synaptogenesis and synaptic plasticity, the impact of extracellular synaptic proteolytic events on cognitive processes, and the behavioural effects of perineuronal net modification with chondroitinase.





## Symposium 12

Friday, March 27, 2009  
9:00 – 12:00, Hall 103

Chair: Constanze Seidenbecher and Andreas Faissner,  
Magdeburg and Bochum

9:00 **Introduction**

Andreas Faissner, Bochum

9:05 Cagla Eroglu, Durham (USA)  
HOW DO SYNAPSES FORM IN THE CNS?  
ROLE OF ASTROCYTE-SECRETED EXTRA-  
CELLULAR MATRIX PROTEINS IN REGULATION  
OF SYNAPSE FORMATION (S12-1)

9:30 Constanze Seidenbecher, R. Frischknecht, M.  
Heine, D. Choquet, E. Gundelfinger, Magdeburg  
PERINEURONAL NETS STRUCTURE THE  
PERISYNAPTIC EXTRACELLULAR SPACE (S12-2)

9:55 Peter Sonderegger, Zürich (Switzerland)  
NEUROTROPYPSIN-MEDIATED PROTEOLYSIS OF  
AGRIN AT CNS SYNAPSES - A KEY TO  
COGNITIVE FUNCTIONS? (S12-3)

10:20 **Coffee Break**

10:45 Andreas Faissner, Bochum  
REGULATION OF SYNAPTOGENESIS AND  
SYNAPTIC ACTIVITY BY CHONDROITIN-  
SULFATE PROTEOGLYCANS (S12-4)

11:10 Alexander Dityatev, Genova (Italy)  
REGULATION OF HIPPOCAMPAL SYNAPTIC  
PLASTICITY BY EXTRACELLULAR MATRIX  
MOLECULES (S12-5)

11:35 James Fawcett, Cambridge (UK)  
EXTRACELLULAR MATRIX MODIFICATION,  
PLASTICITY AND REHABILITATION (S12-6)



## Introductory Remarks to Symposium 13

## Animal models of psychiatric illnesses: From risk genes to the pathophysiological mechanisms (Leopoldina-Symposium)

*Peter Falkai, Göttingen*

The description of risk genes for schizophrenia, like NRG-1 or G72 was a major step forward in disentangling the pathophysiological basis of psychotic illness. At the first glance these genes do not fit to established pathophysiological principles like the dopamine hypothesis of schizophrenia. They are more likely involved in processes of brain development and maturation. The development of animal models and their phenotypic characterisation will enormously help to unravel the pathophysiology of psychotic illness. This symposium brings together animal models of the prime risk genes NRG-1 and G72 as well as prime candidate genes like Neuregulin. Furthermore, additional effects of environmental factors and of drugs like PCP and of obstetric complications are dealt with.



## Symposium 13

Saturday, March 28, 2009  
9:00 – 12:00, Hall 105

Chair: Peter Falkai, Göttingen

- 9:00 Andreas Zimmer, D.-M. Otte, A. Bilkei-Gorzo, M. D. Filiou, C. W. Turck, Ö. Yilmaz, M. I. Holst, K. Schilling, R. Abou-Jamra, J. Schumacher, I. Benzel, Bonn  
SCHIZOPHRENIA-RELATED SYMPTOMS AND MITOCHONDRIAL DYSFUNCTION IN G72/G30 TRANSGENIC MICE (S13-1)
- 9:30 Markus Schwab, Göttingen  
MOUSE MUTANTS OF NEUREGULIN-1 AND THEIR RELEVANCE FOR SCHIZOPHRENIA (S13-2)
- 10:00 Michael Frotscher, Freiburg  
ROLE FOR REELIN IN NEUROLOGIC AND PSYCHIATRIC DISEASE (S13-3)
- 10:30 **Coffee Break**
- 11:00 Dan Rujescu, J. Genius, A. M. Hartmann, A. Bender, H.-J. Möller, H. Grunze, München  
THE MK-801 MODEL MIMICKS DRUG-INDUCED PSYCHOTIC ILLNESS (S13-4)
- 11:30 Andrea Schmitt, Göttingen  
THE HYPOXIC RAT MODEL FOR OBSTETRIC COMPLICATIONS IN SCHIZOPHRENIA (S13-5)



Introductory Remarks to Symposium 14

## Cellular mechanisms of cortical network oscillations

*Tengis Gloveli, Berlin*

Neurons form transient assemblies by coordinating their activity within networks. These spatio-temporal patterns of coherent activity form representations, and are likely to underlie cognitive processes like perception and memory formation. Many of these functional assemblies are entrained by rhythmic network activity, constituting state-dependent neuronal network oscillations. Recent work from the speaker's and other laboratories has uncovered several cell-specific mechanisms of such network oscillations. Important, new branches of research are i) the growing insight into the functional anatomy of neuronal networks, assigning highly specific, state-dependent roles for different subtypes of interneurons; ii) non-conventional signalling mechanisms including electrical coupling and ectopic spike generation; iii) physiology-based models of neuronal networks. Our symposium shall gather leading scientists in this field, all of which have made important contributions to the understanding of network oscillations at the cellular level. Sharing this common topic, they will present different approaches reaching from cellular physiology in brain slices to cell-specific recordings in behaving animals and to computational analysis of cortical network activity. The symposium will, therefore, use a very timely paradigm to illustrate modern approaches, which bridge the gap between cellular and systems neurosciences.

## Symposium 14

Saturday, March 28, 2009  
9:00 – 12:00, Hall 8

Chair: Tengis Gloveli, Berlin

- 9:00 Tengis Gloveli, Berlin  
OSCILLATORY ACTIVITY IN HIPPOCAMPAL NETWORKS IN VITRO: ROLE OF PERISOMATIC-TARGETING INTERNEURONS (S14-1)
- 9:25 Miles Whittington, J. Jalics, M. Cunningham, S. Middleton, T. Kispersky, N. Kopell, Newcastle (UK)  
MULTIPLE GAMMA RHYTHM-GENERATING MICROCIRCUITS IN ENTORHINAL CORTEX (S14-2)
- 9:50 Nancy Kopell, A. Roopun, M. Kramer, L. Carracedo, M. Kaiser, C. Davies, R. Traub, M. Whittington, Boston (USA)  
PERIOD CONCATENATION UNDERLIES INTERACTION BETWEEN GAMMA AND BETA RHYTHMS IN NEOCORTEX (S14-3)
- 10:15 **Coffee Break**
- 10:45 Andreas Draguhn, F. Böhner, U. Rudolph, E. Weiss, G. Birke, M. Both, Heidelberg  
CELLULAR MECHANISMS OF TRANSIENT ASSEMBLY FORMATION BY HIPPOCAMPAL PRINCIPAL CELLS (S14-4)
- 11:10 Jozsef Csicsvari, Oxford (UK)  
RIPPLE OSCILLATIONS AND REACTIVATED CELL ASSEMBLIES IN THE HIPPOCAMPUS (S14-5)
- 11:35 Marlene Bartos, Aberdeen (UK)  
DEVELOPMENT OF BASKET CELLS FROM SLOW TO FAST SIGNALING DEVICES: CONTRIBUTION TO GAMMA OSCILLATIONS (S14-6)

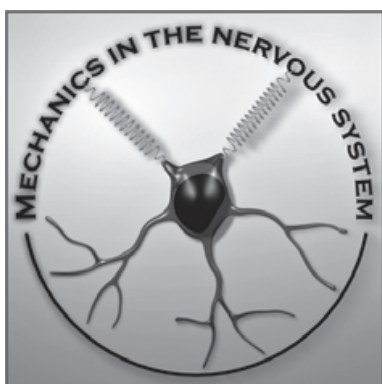


## Introductory Remarks to Symposium 15

### Mechanics in the nervous system

*Jochen Guck, Andreas Reichenbach and Dennis Bray, Leipzig and Cambridge (UK)*

This symposium will provide an insight into the new and rapidly developing field of neuromechanics. The idea that cells sense and react to the mechanical properties of their surroundings—already accepted by biophysicists—is slowly gaining the attention of other life scientists. Recent investigations show that nerve and glial cells generate and respond to mechanical forces, and that these physical properties are crucial to the development, maintenance and healthy functioning of the central nervous system (CNS). Topics covered in this half day meeting include novel findings on the material properties of glial cells; the importance of the stiffness of the extracellular matrix for the morphology and behavior of nerve cells; the forces neurons actively exert on their environment; the sensitivity of neurons to mechanical forces and how this influences development and contributes to the pathology of neurological disorders; and finally a novel technique that allows the elasticity of the CNS to be measured in living animals.



## Symposium 15

Saturday, 28. March 2008  
9:00 – 12:00, Hall 10

Chair: Jochen Guck, Andreas Reichenbach and  
Dennis Bray, Leipzig and Cambridge (UK)

### 9:00 **Opening Remarks**

- 9:05 Paul Janmey, P. Georges, D. Meaney, L. Flanagan,  
E. Sawyer, Philadelphia (USA)  
EFFECTS OF MATRIX STIFFNESS ON CELL  
FUNCTION: RECIPROCAL RESPONSES OF  
NEURONS AND ASTROCYTES(S15-1)
- 9:35 Kristian Franze, H. Svoboda, P. Moshayedi, A.  
Christ, J. Fawcett, J. A. Käs, C. E. Holt, J. Guck,  
Cambridge (UK)  
THE GROWTH CONE AS ACTIVE MECHANO-  
SENSOR (S15-2)
- 9:55 Steve Heidemann, P. Lamoureux, K. Miller, East  
Lansing (USA)  
TENSION STIMULATES AXONAL ELONGATION  
BY ‚STRETCH AND INTERCALATION‘ (S15-3)
- 10:25 Timo Betz, D. Koch, J. A. Käs, Paris (France)  
THE FORCES OF NEURONAL GROWTH  
(S15-4)
- 10:45 **Coffee break**
- 11:10 David Van Essen, St. Louis (USA)  
TENSION-BASED MORPHOGENESIS IN THE  
NERVOUS SYSTEM: WHERE IT STANDS AND  
WHAT IT MEANS (S15-6)
- 11:40 Ralph Sinkus, E. Diguët, B. Larrat, M. Fink, Paris  
(France)  
VISCOELASTIC PROPERTIES OF BRAIN TISSUE:  
APPLICATION TO AN IN-VIVO ALZHEIMER  
MOUSE MODEL (S15-7)



## Introductory Remarks to Symposium 16

# Multicellular representations of spatio-temporal perception and behaviour

*Christian Leibold, Martin Paul Nawrot and Felix Felmy, München, Berlin and Martinsried*

Behaving animals constantly perceive and autonomously interact with the world that surrounds them. To solve a complex behavioral task with appropriate accuracy and temporal fidelity, their central nervous system has to integrate aspects of space and time and must compute meaningful neuronal representations thereof. In general, such representations are themselves spatio-temporal patterns manifest on a variety of scales, ranging from the cellular to the whole brain level. A key question of today's systemic neuroscience is thus how these multicellular representations can be correctly interpreted and related to the resulting behavior. Researchers in a specific field of neuroscience usually tend to think about neuronal representations in terms of the classical paradigms that are established for their specific system and their specific technique. We believe that by comparing different approaches to understanding multicellular activity patterns at various signal levels and in different systems, the symposium will facilitate the exchange of current ideas about the computations performed by neuronal populations and their relation to behavior in space and time. This symposium will combine theoretical and systems neurobiology and shall provide a comparative view of multi-neuronal activity patterns at different spatial and temporal scales across different systems of the mammalian brain. To set a theoretical frame, the symposium will open with a presentation by Wolfgang Maass on a theory that evaluates the computational power of a cortical microcircuit model on the basis of the inherent structural properties of the underlying network architecture. The next talk by Ken Harris will present a theory on how cellular assemblies can be formed by plastic processes employing retroaxonal signaling. In the following talk, Alexa Riehle will illustrate examples of how firing rate and spike synchrony encode in parallel the information related to planning and timing of actions in the motor cortex. Then, with Hans Super, the symposium will proceed to the next signal level of multi-unit responses in local populations of neurons in the visual cortex of the monkey. He will illustrate how these activity patterns are related to the perception and conscious detection of figures and their segregation from background. Finally, Ole Jensen will talk about activity patterns on an even larger scale thereby concluding the symposium with results that connect EEG patterns to working memory tasks and memory consolidation.



## Symposium 16

Saturday, March 28, 2009

9:00 – 12:00, Hall 9

Chair: Christian Leibold, Martin Paul Nawrot,  
and Felix Felmy, München, Berlin and Martinsried

### 9:00 **Opening remarks**

9:05 Wolfgang Maass, Graz (Austria)  
RELATIONSHIPS BETWEEN STRUCTURAL AND  
COMPUTATIONAL PROPERTIES OF CORTICAL  
MICROCIRCUITS (S16-1)

9:35 Kenneth D. Harris, Newark (USA)  
ORGANIZING LEARNING IN NEURAL  
CIRCUITS: THE RETROAXONAL HYPOTHESIS  
(S16-2)

10:05 Alexa Riehle, Marseille (France)  
MODIFICATIONS IN MOTOR CORTICAL  
DYNAMICS INDUCED BY INTENSIVE TRAINING:  
THE COMPLEMENTARITY OF SPIKE  
SYNCHRONY AND FIRING RATE (S16-3)

### 10:35 **Coffee Break**

11:00 Hans Super, V. Lammme, Amsterdam  
(Netherlands)  
NEURAL CODES PRECEDING, DURING AND  
FOLLOWING OBJECT PERCEPTION (S16-4)

11:30 Ole Jensen, Nijmegen (Netherlands)  
THE ROLE OF OSCILLATORY GAMMA  
ACTIVITY: FROM WORKING MEMORY TO  
CONSOLIDATION (S16-5)





## Introductory Remarks to Symposium 17

# Evolution of peptide signalling in the nervous system

*Christian Wegener and Joachim Schachtner, Marburg*

Neuropeptides are the largest and most diverse group of signalling molecules in the nervous system. They are well known to act as neuromodulators, transmitters or hormones, and they are involved in an enormous variety of processes ranging from neuronal development and plasticity over orchestration of complex behaviours to pain sensation and are even involved in neurodegenerative processes. Despite great efforts of many groups working with various models over the years, it is still not fully understood why there is such a diversity in neuropeptide messengers in any examined species, with many new functions of neuropeptides in the nervous system still awaiting discovery. Fuelled by the genome projects, modern mass spectrometry and proteomics allow an unprecedented and complete characterization of the neuropeptides, receptors and processing enzymes involved in neuropeptide signalling in a wide range of animals. This symposium highlights the most recent results from major invertebrate and vertebrate models, including sea urchins, molluscs (*Aplysia*), insects (*Drosophila*, *Tribolium*, honey bee) and mammals (mouse). Five leading scientists in their fields will provide an up-to-date integrative view on neuropeptide signalling. They will discuss how these data contribute to an evolutionary understanding of the conserved and diverse features of peptide signalling in the nervous systems we are coping with today.

## Symposium 17

Saturday, March 28, 2009

9:00 – 12:00, Hall 104

Chair: Christian Wegener and Joachim Schachtner,  
Marburg

9:00 **Opening remarks**

Christian Wegener and Joachim Schachtner

9:05 Geert Baggerman, S. Annangudi, E. Monroe, A. Amare, T. Richmond, L. Schoofs, J. Sweedler, Leuven (Belgium)

NEUROPEPTIDE SIGNALLING IN SEA URCHINS (S17-1)

9:35 Stanislav Rubakhin, E. V. Romanova, F. Xie, X. Hou, M. Citarella, A. Kohn, L. L. Moroz, J. V. Sweedler, Urbana (USA)

NEUROPEPTIDE DISCOVERY, PROCESSING AND FUNCTION IN *APLYSIA* (S17-2)

10:05 Reinhard Predel, S. Neupert, Jena  
EVOLUTION OF PEPTIDERGIC SYSTEMS IN INSECTS AS REVEALED BY SINGLE CELL MASS SPECTROMETRY (S17-3)

10:35 **Coffee break**

11:00 Lloyd Fricker, Bronx, New York (USA)  
PROCESSING OF PEPTIDES IN MOUSE BRAIN AND THE EVOLUTION OF NEUROPEPTIDE PROCESSING ENZYMES (S17-4)

11:30 Frank Hauser, Copenhagen (Denmark)  
EVOLUTION OF G-PROTEIN COUPLED NEUROPEPTIDE RECEPTORS IN INSECTS (S17-5)



## Introductory Remarks to Symposium 18

# Autophagic cell death: identification, pathways and roles in neural development and disease

*Paul Saftig, Andreas Schober and Klaus Unsicker, Kiel and Heidelberg*

Autophagy is a lysosomal degradation pathway that is essential for survival, differentiation, development and homeostasis. Autophagy protects against diverse pathologies, including neurodegeneration. Although known to neuromorphologists for a long time, autophagic cell death in the nervous system has only relatively recently attracted the interest of molecularly oriented neuroscientists. The Symposium put on by the Society for Neuroscience at the 2007 San Diego meeting has highlighted roles of autophagy in such diverse events, as e.g. axonal maintenance, neuron survival, and Parkinson's disease and has been a great success. The organizers of this symposium consider it to be of importance to bring autophagy to the attention of the German neuroscience community.

*Sponsored by  
Rolf Greiner BioChemica GmbH, Flacht  
Carl Zeiss, Jena*

## Symposium 18

Saturday, March 28, 2009  
9:00 – 12:00, Hall 103

Chair: Paul Saftig, Andreas Schober and Klaus Unsicker,  
Kiel and Heidelberg

- 9:00 Sharon A. Tooze, J. Webber, H. B. Jefferies, A. Longatti, N. C. McKnight, A. Orsi, E. Y. Chan, London (UK)  
SIGNALLING AND TRAFFICKING PATHWAYS INVOLVED IN AUTOPHAGOSOME FORMATION (S18-1)
- 9:30 Fernanda Mella de Queiros, Göttingen  
AUTOPHAGY IN TUMOR CELLS INDUCED BY EAG1 SUPPRESSION (S18-2)
- 10:00 **Coffee Break**
- 10:30 Ralph A. Nixon, D. S. Yang, J.-H. Lee, P. Stavrides, Orangeburg, USA  
AUTOPHAGY DYSFUNCTION AND NEURO DEGENERATION IN ALZHEIMER'S DISEASE AND OTHER LATE-AGE ONSET NEURO DEGENERATIVE DISEASES (S18-3)
- 11:00 Noburu Mizushima, Tokyo (Japan)  
THE ROLE OF AUTOPHAGY IN PROTEIN METABOLISM: STARVATION ADAPTATION, EGG-TO-EMBRYO TRANSITION AND INTRACELLULAR CLEARANCE (S18-4)
- 11:30 Paul Saftig, Kiel  
LYSOSOMES, AUTOPHAGY AND CNS DISORDERS (S18-5)



## Introductory Remarks to Symposium 19

# New insights into Alzheimer's disease: 'modeling neurodegeneration – causes and consequences'

*Thomas Bayer and Oliver Wirths, Göttingen*

Alzheimer's disease (AD) research is one of the most competitive fields in neuroscience. Surprisingly, despite the fact that important molecular players involved in the pathology of AD are well known and investigated, therapeutic improvements are lacking. The numbers of AD patients are expected to increase dramatically within the near future with drastic socioeconomical consequences. In the past few years, however, several promising novel approaches have been described. The neuropathology of AD is characterized by aggregates of extracellular b-amyloid (Ab), the formation of neurofibrillary tangles, neuronal and synaptic dysfunction and loss of neurons and synapses. One of the most challenging aspects of the elucidation of AD pathogenesis is unraveling putative associations and causative links between these AD hallmarks. During the symposium invited experts will present recent research findings on the neuropathological and biochemical basis of AD, and discuss novel targets for innovative therapeutic strategies. In this regard, enzymes are potentially interesting because of their modulating role in generating toxic products. Furthermore, the role and interfering potential of neurogenesis, neurotrophic factors and neuroplasticity on neurodegeneration will be discussed.

*Sponsored by*



## Symposium 19

Sunday, March 29, 2009

9:00 – 12:00, Hall 8

Chair: Thomas Bayer and Oliver Wirths, Göttingen

- 9:00 Fred van Leuven, T. Jaworski, I. Dewachter, S. Kügler (Leuven) Belgium  
TRANSGENIC AND VIRUS-BASED MOUSE MODELS FOR ALZHEIMER'S DISEASE: NEW VIEWS ON AN OLD PROBLEM (S19-1)
- 9:25 Luc Bueé, K. Belarbi, S. Burnouf, M.-E. Grosjean, R. Caillierez, K. Schindowski, J.-P. Brion, D. Blum, Lille (France)  
NEURONAL LOSS, NEUROTROPHINS AND CHOLINERGIC DENERVATION IN A TAU TRANSGENIC MODEL (S19-2)
- 9:50 Hans-Ulrich Demuth, H. Cynis, S. Schilling, Halle  
AN EMERGING NON-MAINSTREAM THERAPEUTIC APPLICATION TO COMBAT SPORADIC AD PATHOLOGY (S19-3)
- 10:15 **Coffee Break**
- 10:45 Jochen Herms, München  
IN VIVO IMAGING IN NEURODEGENERATIVE DISEASE: TRACKING DOWN STRUCTURAL CORRELATES OF SYNAPTIC FAILURE (S19-4)
- 11:10 Oliver Wirths, T. A. Bayer, Göttingen  
AXONOPATHY IN ALZHEIMER MOUSE MODELS (S19-5)
- 11:35 Thomas A. Bayer, H.-U. Demuth, O. Wirths, Göttingen  
PARADIGM SHIFT IN ABETA TOXICITY (S19-6)

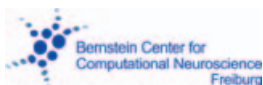


## Introductory Remarks to Symposium 20

# Networks on Chips: Spatial and temporal activity dynamics of functional networks

*Ulrich Egert and Hermann Wagner, Freiburg and Aachen*

The properties of neuronal networks change continuously as a function of the interaction between neurons, developmental stages and experience. Consequently, it becomes necessary to monitor this network activity as whole with sufficient detail to relate it to the properties of the individual neuron. The spatial and temporal succession of neuronal activity itself, in turn, reveals information about the interplay of specialized neuronal structures, such as cortical layers and regions, the subsections of the hippocampus, circuits in the brainstem or sensory epithelia like the retina and the processing of incoming activity in these. Advanced techniques now make it feasible to observe this type of 'network activity' or to investigate the activity dynamics and response properties of scalable generic networks. These techniques allow the recording in parallel from up to 16 000 electrodes in highly-integrated chips, also known as multi-electrode arrays (MEA). With these devices, the potential landscape and spike activity can be monitored at subcellular detail. In recent years, important findings regarding network organization and function have been made using this approach. The symposium will present examples from established systems as well as recent developments. Shimon Marom will talk on the representation of information in the activity pattern in networks of cultured cortical neurons. The Aachen group will present novel results on the representation of temporal events in the submillisecond time scale. The group from the BCCN-Freiburg will present results on the defined interaction with ongoing activity in neuronal networks. Alfred Stett in turn uses such arrays to define the receptive fields of retinal ganglion cells for retinal prostheses and interact with the retinal network. Finally, new high-density arrays developed in the group of Andreas Hierlemann were used to map single-neuron electrical fields at subcellular resolution in acute slices. MEAs thus enable us to relate the properties and dynamics of neurons in their functional context at several levels of spatial and structural complexity and maybe to eventually understand their interdependence.





## Symposium 20

Sunday, March 29, 2009  
9:00 – 12:00, Hall 105

Chair: Ulrich Egert and Hermann Wagner,  
Freiburg and Aachen

- 9:00 **Introductory remarks**  
Ulrich Egert, Freiburg
- 9:05 Shimon Marom, Haifa (Israel)  
REPRESENTATION IN LARGE-SCALE RANDOM  
NETWORKS OF CORTICAL NEURONS (S20-1)
- 09:35 Oliver Weihberger, S. Okujeni, T. Gürel, U.  
Egert, Freiburg  
STATE DEPENDENT I/O GAIN AND INTER-  
ACTION WITH ONGOING ACTIVITY IN  
CORTICAL NETWORKS IN VITRO (S20-2)
- 10:05 Nico Lautemann, P. T. Kuokkanen, R. Kempter, H.  
Wagner, Aachen  
DELAY LINES AND THE NEUROPHONIC  
POTENTIAL IN THE SOUND-LOCALIZATION  
CIRCUIT OF BIRDS (S20-3)
- 10:35 **Coffee break**
- 10:55 Andreas Hierlemann, U. Frey, F. Heer, S.  
Hafizovic, Basel (Switzerland)  
CMOS-BASED HIGH-DENSITY MICROELE-  
CTRODE ARRAYS FOR SUBCELLULAR RESOLU-  
TION RECORDINGS (S20-4)
- 11:25 Alfred Stett, M. Gerhardt, T. Herrmann, A. Mai, D.  
Schwenger, Reutlingen  
ARTIFICIAL VISION BY MULTI-SITE ELECTRICAL  
RETINA STIMULATION (S20-5)
- 11:55 **Closing remarks**  
Hermann Wagner, Aachen



## Introductory Remarks to Symposium 21

# Plasticity and function of amygdala and fear-circuitry: molecular, cellular and behavioral mechanisms

*Ingrid Ehrlich and Thomas Seidenbecher, Basel and Münster*

Our symposium focuses on neural mechanisms underlying emotional memory formation. These processes are both critical for understanding basic principles of emotion processing and memory storage in the brain, and are relevant for understanding human anxiety disorders. In rodents, auditory fear conditioning has been used as a model to investigate neural substrates of emotional memories. The amygdala is a key brain structure for acquisition and storage of fear memory traces, and some of the synaptic substrates are fairly well understood. However, recent evidence suggests that neural activity changes occur in a distributed, yet highly inter-connected network comprising the amygdala, medial prefrontal cortex (mPFC) and hippocampus. Furthermore, auditory cortical areas have been shown to undergo learning-induced plasticity. Interdisciplinary approaches using a combination of molecular techniques, cellular imaging, physiology, and behavioral analysis are being used to establish links between cellular events and modified behavioral output. Here, we will highlight some of these approaches in fear-related circuits.

## Symposium 21

Sunday, March 29, 2009

9:00 – 12:00, Hall 104

Chair: Ingrid Ehrlich and Thomas Seidenbecher,  
Basel and Münster

9:00 **Opening remarks**

9:05 Paul Frankland, Toronto (Canada)  
SELECTIVE ERASURE OF A FEAR MEMORY  
(S21-1)

9:30 Francesco Ferraguti, D. Busti, W. A. Kaufmann, R.  
Geracitano, M. Capogna, Innsbruck (Austria)  
CYTOARCHITECTONICS AND CONNEC-  
TIVITY OF THE INTERCALATED CELL MASSES  
OF THE RODENT AMYGDALA (S21-2)

9:55 Ingrid Ehrlich, A. Lüthi, Basel (Switzerland)  
FUNCTION AND PLASTICITY OF INHIBITORY  
CIRCUITS IN THE AMYDGALA (S21-3)

10:20 **Coffee Break**

10:40 Marta Moita, R. Antunes, Oeiras (Portugal)  
NEURAL MECHANISMS UNDERLYING AUDI-  
TORY DISCRIMINATION DURING FEAR  
CONDITIONING (A21-4)

11:05 Simon Rumpel, Vienna (Austria)  
AUDITORY CORTEX CONTRIBUTION IN FEAR  
CONDITIONING TO COMPLEX SOUNDS  
(S21-5)

11:30 Hans-Christian Pape, Münster  
NEUROTRANSMISSION IN AMYGDALOID  
CIRCUITS RELATED TO FEAR MEMORY AND  
EXTINCTION (S21-6)

11:55 **Concluding remarks**



## Introductory Remarks to Symposium 22

# Goal-directed behavior The neural basis of planning and choice

*Alexander Gail and Hans Scherberger, Göttingen and Zürich (Switzerland)*

Humans and other primates are experts in planning voluntary movements and exerting substantial cognitive control when choosing their actions. Goal-directed behavior depends on highly integrated processes of goal selection and sensorimotor transformation. The symposium aims to provide novel integrated views on the neural basis of goal-directed behavior. Recent electro-physiological findings from frontal and parietal cortices indicate that decision making (goal-selection) and movement planning (assessing sensorimotor constraints) are intimately connected, where different effector-specific frontoparietal sensorimotor loops are commonly involved in both aspects of goal-directed behavior. This symposium brings together researchers who study goal-directed behavior from different, but complementary perspectives, addressing the planning and cognitive control of finger, hand, arm or eye movements in various cortical areas of humans and monkeys using experimental and computational approaches. R.L. will discuss the role of motor cortical areas in cerebral control during tool use. H.S. will highlight interactions of parietal and premotor areas during the selection and planning of grasp movements, and how this can be utilized to control neuroprosthetic devices. A.G. will demonstrate context-specific sensorimotor transformations in fronto-parietal areas during goal-directed, rule-based reach movement planning. S.E. will focus on the role of prefrontal and anterior cingulate cortex during task switching, and how this allows exerting cognitive control on goal-directed eye movements. P.M. will discuss spatial encoding in the human cortical sensorimotor network for eye and hand movements. Finally, D.W. will describe probabilistic models of sensorimotor control. Understanding goal-directed behavior not only helps to gain insight into the neural basis underlying many neuropathological deficits, but will also denote the most fundamental step towards the development of brain-machine interfaces for control of neuroprosthetic devices.

## Symposium 22

*Sunday, March 29, 2009*

*9:00 – 12:00, Hall 10*

Chair: Alexander Gail and Hans Scherberger,  
Göttingen and Zürich (Switzerland)

**9:00 Opening remarks**

9:05 Roger Lemon, A. Kraskov, M. Quallo, A. Iriki,  
London (UK)  
MOTOR CORTEX ACTIVITY DURING TOOL  
USE IN MACAQUE MONKEYS (S22-1)

9:30 Hans Scherberger, Zürich (Switzerland) –  
GRASP MOVEMENT PLANNING AND DECO-  
DING IN PREMOTOR AND PARIETAL CORTEX  
(S22-2)

9:55 Alexander Gail, Göttingen  
REACH MOVEMENT PLANNING IN THE  
FRONTO-PARIETAL SENSORIMOTOR NET-  
WORK (S22-3)

**10:20 Coffee break**

10:45 Stefan Everling, London (Canada)  
ROLE OF PREFRONTAL AND ANTERIOR  
CINGULATE CORTEX IN THE CONTROL OF  
SACCADIC RESPONSES (S22-4)

11:10 Pieter Medendorp, Nijmegen (The Netherlands)  
CORTICAL MECHANISMS OF SPATIAL UPDA-  
TING FOR SACCADIC AND REACHING  
MOVEMENTS (S22-5)

11:35 Daniel Wolpert, Cambridge (UK)  
PROBABILISTIC MODELS OF SENSORIMOTOR  
LEARNING (S22-6)



## Introductory Remarks to Symposium 23

# Restoring Retinal Vision

*Reto Weiler and Botond Roska, Oldenburg and Basel (Switzerland)*

Loss of vision caused by retinal degeneration is a major threat for an ageing population. In recent years, several strategies have been developed to stop degeneration or to rescue retinal vision. These strategies comprise four major lines: Fighting degeneration with drugs or genetic tools; Replacing lost photoreceptors with stem cell therapies; Rendering photosensitivity to retinal neurons through photosensitive channels and pumps; Implanting electronic devices. In the last two years groundbreaking advances have been achieved in all these fields giving reason to hope that therapeutic treatment is in close sight. The symposium *Restoring Retinal Vision* will present foremost recent contributions of several world-leading laboratories to all four major lines of strategy.

## Symposium 23

*Sunday, March 29, 2009  
9:00 – 12:00, Hall 103*

Chair: Reto Weiler and Botond Roska,  
Oldenburg and Basel (Switzerland)

- 9:00 Zhuo-Hua Pan, Detroit (USA)  
ECTOPIC EXPRESSION OF MICROBIAL  
RHODOPSINS IN INNER RETINAL NEURONS  
FOR RESTORING VISION AFTER PHOTO-  
RECEPTOR DEGENERATION (S23-1)
- 9:25 Botond Roska, Basel (Switzerland)  
RESTORING VISUAL FUNCTION IN RETINAL  
DEGENERATION BY TARGETED OPTOGE-  
NETIC TOOLS (S23-2)
- 9:50 Matthew J. McMahon, Sylmar (USA)  
PRELIMINARY RESULTS FROM THE ARGUS II  
EPIRETINAL PROSTHESIS FEASIBILITY STUDY  
(S23-3)
- 10:15 **Coffee Break**
- 10:45 Jose Sahel, Paris (France)  
STRATEGIES FOR CONE RESCUE IN RETINAL  
DEGENERATIONS (S23-4)
- 11:10 Eberhart Zrenner, R. Wilke, K. U. Bartz-Schmidt, F.  
Gekeler, U. Greppeier, A. Stett, Tübingen  
FUNCTIONAL RESULTS WITH SUBRETINAL  
IMPLANTS FOR THE RESTITUTION OF VISION  
IN THE BLIND (S23-5)
- 11:35 Petra Bolte, U. Janssen-Bienhold, K. Schmidt, A.  
Feigenspan, R. Weiler, Oldenburg  
THE BYSTANDER HYPOTHESIS OF RETINAL  
DEGENERATION (S23-6)



## Introductory Remarks to Symposium 24

# Molecular analysis of axonal and dendritic branching

*Fritz G. Rathjen and Hannes Schmidt, Berlin*

Within the central nervous system integration of information from a larger number of primary neurons requires multiple innervations on so-called higher order neurons. For example, within the sensory system the size of the receptive field of afferent neurons becomes larger at each level of processing to generate a coherent sensation of an object. A prerequisite to generate such high degree of connectivity is the branching of axons. This principle process enables an individual neuron to innervate several targets. Branching is therefore a critical step in the formation of precise neural circuits and it increases the complexity of wiring.

Neurons receive the majority of their inputs from other neurons on highly branched tree-like cellular extensions called dendrites. The targeting of dendrites to particular regions influences the selection of connecting partners and thereby determines the inputs a neuron receives. The dendritic tree emerges through a combination of specific patterns of growth, retraction and branching. It is therefore regulated at multiple points. However the mode of branching might be similar as for axons: splitting of ends or interstitial. In contrast to the molecular analysis of axonal growth the molecular signalling pathways underlying neuronal branching have remained poorly understood. In the symposium we would like to discuss recent progress on the molecular analysis of branch formation during the development of the nervous system.



## Symposium 24

*Sunday, March 29, 2009*

*9:00 – 12:00, Hall 9*

Chair: Fritz G. Rathjen and Hannes Schmidt, Berlin

**9:00 Introduction**

Fritz G. Rathjen

9:05 Hannes Schmidt, A. Stonkute, R. Jüttner, S. Schäffer, J. Buttgereit, R. Feil, F. Hofmann, F. G. Rathjen, Berlin

A cGMP SIGNALING PATHWAY ESSENTIAL FOR SENSORY AXON BIFURCATION (S24-1)

9:30 Katherine K. Kalil, L. Li, B. I. Hutchins, Madison (USA)

SIGNALING MECHANISMS IN CORTICAL AXON BRANCHING, GROWTH AND GUIDANCE (S24-2)

9:55 Le Ma, M. Tessier-Lavigne, Los Angeles (USA)

DIFFERENTIAL REGULATION OF PERIPHERAL ARBORIZATION AND CENTRAL AFFERENT BIFURCATION OF SOMATIC SENSORY NEURONS BY SLIT/ROBO SIGNALING (S24-3)

**10:20 Coffee Break**

10:45 M. R. Kreutz, Magdeburg

PROHIBITIN MIGHT BE INVOLVED IN THE DENDRITIC PATHOLOGY OF CHRONIC SCHIZOPHRENIA (S24-4)

11:10 D. Schmucker, Boston (USA)

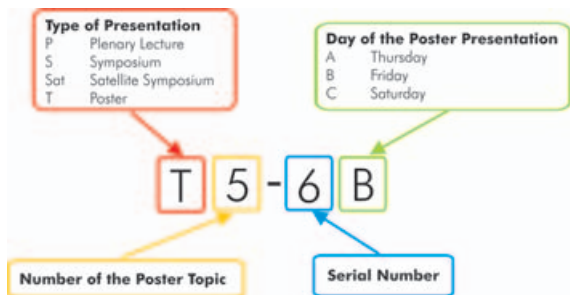
CONTROL OF NEURITE BRANCHING BY DIVERSE IGF RECEPTORS (S24-5)

11:35 Patricia C. Salinas, London (UK)

DECONSTRUCTING SYNAPSES WITH WNT ANTAGONISTS (S24-6)



## Explanation of Abstract Numbers



There are two poster sessions on Thursday, on Friday and on Saturday each. There is no poster session on Sunday. Poster with poster numbers ending with an A are displayed on Thursday, poster with a poster number ending with a B are displayed on Friday, posters with a poster number ending with a C are displayed on Saturday.

Each poster session is divided into two parts: odd and even serial numbers. In the first session of a day posters with odd serial numbers will be discussed. In the second hour of the first session of a day posters with even serial numbers will be discussed. In the second session of a day posters with odd serial poster numbers will be discussed again in the first hour and in the second hour of the same session posters with even serial numbers will be discussed once more.

### Example

#### **T21-2B**

T = poster to a poster topic

21 = the poster topic is No. 21, i.e. Sensory Systems: Other

2 = serial number (even number, i.e. second hours of each session)

B = indicates the day, i.e. Friday.

This means: poster **T21-2B** is a poster belonging to the topic "Sensory Systems: Other" and is presented on Friday, March 30, 14:00 -15:00 h and 17:00 -18:00 h in the poster area 21

## Poster Topics

Poster Topic	Thurs- day	Fri- day	Satur- day
T1: Stem cells, neurogenesis and Gliogenesis	T1-1A – T1-20A	T1-1B – T1-19B	T1-1C – T1-19C
T2: Axon and dendrite development, synaptogenesis	T2-1A – T2-12A	T2-1B – T2-12B	T2-1C – T2-11C
T3: Developmental cell death, regeneration and transplantation	T3-1A – T3-5A	T3-1B – T3-4B	T3-1C – T3-5C
T4: Neurotransmitters, retrograde messengers and cytokines	T4-1A – T4-6A	T4-1B – T4-6B	T4-1C – T4-5C
T5: Protein-linked and other receptors	T5-1A – T5-4A	T5-1B – T5-4B	T5-1C – T5-4C
T6: Ligand-gated, voltage-dependent ion channels, and transporters	T6-1A – T6-11A	T6-1B – T6-11B	T6-1C – T6-11C
T7: Synaptic Transmission, Pre- and Postsynaptic organization	T7-1A – T7-19A	T7-1B – T7-16B	T7-1C – T7-16C
T8: Synaptic plasticity, LTP, LTD	T8-1A – T8-12A	T8-1B – T8-12B	T8-1C – T8-12C
T9: Glia, glia-neuron Interactions	T9-1A – T9-14A	T9-1B – T9-15B	T9-1C – T9-14C
T10: Aging and developmental disorders	T10-1A – T10-4A	T10-1B – T10-4B	T10-1C – T10-4C
T11: Alzheimer's, Parkinson's and other neurodegenerative diseases	T11-1A – T11-22A	T11-1B – T11-21B	T11-1C – T11-22C
T12: Neuroimmunology, inflammation and neuroprotection	T12-1A – T12-9A	T12-1B – T12-10B	T12-1C – T12-10C



Poster Topic	Thurs- day	Fri- day	Satur- day
T13: Cognitive, emotional, behavioral state disorders and addiction	T13-1A – T13-7A	T13-1B – T13-7B	T13-1C – T13-7C
T14: Vision: invertebrates	T14-1A – T14-10A	T14-1B – T14-10B	T14-1C – T14-9C
T15: Vision: retina and subcortical pathways	T15-1A – T15-15A	T15-1B – T15-15B	T15-1C – T15-14C
T16: Vision: striate and extrastriate cortex, eye movement and visuomotor processing	T16-1A – T16-13A	T16-1B – T16-13B	T16-1C – T16-12C
T17: Auditory mechanoreceptors, vestibular, cochlea, lateral line and active sensing	T17-1A – T17-14A	T17-1B – T17-14B	T17-1C – T17-14C
T18: Auditory system: subcortical and cortical processing	T18-1A – T18-14A	T18-1B – T18-14B	T18-1C – T18-14C
T19: Chemical senses: olfaction, taste, others	T19-1A – T19-23A	T19-1B – T19-24B	T19-1C – T19-23C
T20: Somatosensation: touch, temperature, proprioception, nociception	T20-1A – T20-9A	T20-1B – T20-8B	T20-1C – T20-9C
T21: Motor systems	T21-1A – T21-9A	T21-1B – T21-11B	T21-1C – T21-11C
T22: Homeostatic and neuroendocrine systems, stress response	T22-1A – T22-5A	T22-1B – T22-5B	T22-1C – T22-5C
T23: Neural networks and rhythm generators	T23-1A – T23-15A	T23-1B – T23-14B	T23-1C – T23-14C
T24: Attention, motivation, emotion and cognition	T24-1A – T24-11A	T24-1B – T24-13B	T24-1C – T24-12C

Poster Topic	Thurs- day	Fri- day	Satur- day
T25: Learning and memory	T25-1A – T25-14A	T25-1B – T25-16B	T25-1C – T25-16C
T26: Computational neuroscience	T26-1A – T26-17A	T26-1B – T26-15B	T26-1C – T26-16C
T27: Techniques and demonstrations	T27-1A – T27-8A	T27-1C – T27-9B	T27-1C – T27-9C



## T1: Stem cells, neurogenesis and gliogenesis

### Thursday

- T1-1A** GLYCANS IN BRAIN DEVELOPMENT: THE NOVEL MONOCLONAL ANTIBODY 575 DETECTS A CARBOHYDRATE EPITOPE ON NEURAL PRECURSOR CELLS  
*E. Hennen, A. Faissner, Bochum*
- T1-2A** INFLUENCE OF LEUKAEMIA ASSOCIATED TRANSCRIPTION FACTOR *AF9/MLL3* ON CELL SPECIFICATION IN THE CEREBRAL CORTEX OF THE MOUSE  
*T. Vogel, Göttingen*
- T1-3A** REGULATION OF NEURAL STEM CELL BEHAVIOUR IN THE DEVELOPING SPINAL CORD BY EXTRACELLULAR MATRIX MOLECULES  
*M. Karus, S. Wiese, A. Faissner, Bochum*
- T1-4A** HUMAN NTERA-2 CELLS AS A PREDICTIVE IN VITRO TEST SYSTEM FOR DEVELOPMENTAL NEUROTOXICITY  
*M. Stern, A. Gierse, S. Tan, G. Bicker, Hannover*
- T1-5A** BMP7 RELEASE FROM ENDOGENOUS NEURAL PRECURSORS ATTENUATES THE TUMORIGENICITY OF GLIOMA STEM CELLS  
*R. Glass, S. R. Cirasani, A. Sternjak, P. Wend, S. Momma, C. Herold-Mende, D. Besser, M. Synowitz, H. Kettenmann, Berlin*
- T1-6A** EVIDENCES FOR GLYCINERGIC CONTROL OF CORTICAL MIGRATION  
*D. G. Denter, A. B. Sava, N. Heck, W. Kilb, H. J. Luhmann, Mainz*
- T1-7A** SCRATCH2 IN NEUROGENESIS OF THE MAMMALIAN BRAIN  
*V. Paul, A. Stoykova, Göttingen*
- T1-8A** COMMON CADHERIN-BASED ADHESIVE CUES BEHIND NEUROANGIOGENESIS?  
*K. K. C. Redies, Jena*
- T1-9A** NUCLEOTIDES AS POTENTIAL CELL CYCLE MODULATORS OF BASAL STEM CELLS IN THE OLFACTORY EPITHELIUM  
*T. Hassenklöver, D. Schild, I. Manzini, Göttingen*
- T1-10A** A SIMILAR SET OF GENES PATTERNS THE VERTEBRATE NEURAL PLATE AND THE INSECT HEAD  
*G. Bucher, N. Posnien, Göttingen*
- T1-11A** RELATION BETWEEN GRANULE CELL DISPERSION, NEUROGENESIS AND THE SPREAD OF EPILEPTIFORM ACTIVITY IN THE HIPPOCAMPUS  
*U. Häussler, L. Bielefeld, M. C. Müller, C. Garbers, C. A. Haas, Freiburg*



- T1-12A** HYPOXIA PRECEDES VASCULAR ENDOTHELIAL GROWTH FACTOR UP-REGULATION AND ANGIOGENESIS IN A MOUSE MODEL OF TEMPORAL LOBE EPILEPSY  
*C. A. Haas, M. C. Müller, S. Huber, M. Osswald, Freiburg*
- T1-13A** SIM1 IS A NOVEL REGULATOR IN THE DIFFERENTIATION OF A MOUSE SEROTONERGIC NEURON SUBPOPULATION  
*E. Roussa, N. Osterberg, M. Wiehle, O. Oehlke, C. Xu, C.-M. Fan, K. Kriegelstein, Freiburg*
- T1-14A** POLYSIALIC ACID IN DOPAMINERGIC SYSTEM DEVELOPMENT  
*M. Schiff, C. Grothe, R. Gerardy-Schahn, H. Hildebrandt, Hannover*
- T1-15A** SIP1 CONTROLS PROGENITOR FATE AND TIMING OF PRODUCTION OF CORTICAL NEURONS AND ASTROCYTES  
*A. Nityanandam, E. Seuntjens, A. Miquelajauregui, S. Goebels, K.-A. Nave, D. Huylebroeck, V. Tarabykin, Göttingen*
- T1-16A** CHARACTERIZATION OF PRIMARY NEUROSPHERES GENERATED FROM MOUSE VENTRAL ROSTRAL HINDBRAIN  
*N. Osterberg, E. Roussa, Göttingen*
- T1-17A** CHARACTERIZATION OF NEUROSPHERE-GENERATING CELLS IN THE DEVELOPING PERIPHERAL NERVOUS SYSTEM  
*E. Binder, H. Rohrer, Frankfurt/Main*
- T1-18A** LOSS OF P75 AFFECTS ADULT NEUROGENESIS WITHIN THE ADULT DENTATE GYRUS OF MICE  
*O. von Bohlen und Halbach, K. Unsicker, Heidelberg*
- T1-19A** FUNCTIONAL ANALYSIS OF NEUROBLASTOMA PHOX2B MUTATIONS IN IMMATURE SYMPATHETIC NEURONS  
*T. Reiff, K. Tsarovina, H. Rohrer, Frankfurt/M.*
- T1-20A** ANALYSIS OF NEURAL STEM CELL IDENTITY IN THE LARVAL BRAIN OF *TRIBOLIUM CASTANEUM*  
*N. B. Koniszewski, H. Hein, G. Bucher, Göttingen*

## Friday

- T1-1B** THE BHLH TRANSCRIPTION FACTOR HAND2 IS ESSENTIAL FOR THE MAINTENANCE OF NORADRENERGIC PROPERTIES IN DIFFERENTIATED SYMPATHETIC NEURONS  
*M. Schmidt, S. Lin, M. Pape, U. Ernsberger, M. Stanke, K. Kobayashi, M. Howard, H. Rohrer, Frankfurt/M.*
- T1-2B** HALOPERIDOL AND ATYPICAL NEUROLEPTIC DRUGS INCREASE GLUTAMATE SENSITIVITY IN NEURALLY DIFFERENTIATED NTERA2 CELLS AS REVEALED BY CALCIUM IMAGING  
*B. Reuss, L. Dahm, F. Klugmann, A. Gonzalez Algaba, Göttingen*



- T1-3B** REELIN-INDUCED PHOSPHORYLATION OF COFILIN IN NEURONAL PROCESSES IS REQUIRED FOR THE DIRECTIONAL MIGRATION OF NEURONS  
*X. Chai, E. Förster, S. Zhao, H. Bock, M. Frotscher, Freiburg*
- T1-4B** POSTNATAL BRAIN OVERGROWTH IN BASSOON-MUTANT MICE INVOLVES INCREASED HIPPOCAMPAL CELL NUMBERS AND ABERRANT PROLIFERATION  
*A. Heyden, F. Angenstein, B. Kracht, C. Seidenbecher, E. Gundelfinger, Magdeburg*
- T1-5B** PHOSPHO-Cofilin, induced by Reelin signaling, is involved in the proper positioning of sympathetic preganglionic neurons in the spinal cord  
*M. T. Krueger, S. Zhao, X. Chai, H. H. Bock, M. Frotscher, Freiburg*
- T1-6B** DEFINING IN VITRO CONDITIONS FOR ENRICHMENT OF STEM-LIKE CELL POPULATION IN PRIMARY HUMAN BRAIN TUMOR CULTURES  
*U. D. Kahlert, J. Maciaczyk, G. Nikkhah, Freiburg*
- T1-7B** DISTINCT EFFECTS OF POST-WEANING ENVIRONMENTAL ENRICHMENT AND ADULT WHEEL RUNNING ON NEUROGENESIS AND SYNAPTIC TURNOVER IN THE HIPPOCAMPUS, SUBICULUM AND ENTORHINAL CORTEX OF MICE  
*A. Schäfers, K. Grafen, Y. Winter, Bielefeld*
- T1-8B** DEVELOPMENT OF THE SENSORY INNERVATION IN THE ANTENNA OF THE GRASSHOPPER, SCHISTOCERCA GREGARIA  
*T. Kleele, Z. Herbert, B. Niederleitner, G. S. Boyan, Planegg-Martinsried*
- T1-9B** INTEGRATION OF ES CELL DERIVED NEURONS INTO PRE-EXISTING NEURONAL CIRCUITS  
*F. Neuser, M. Korte, Braunschweig*
- T1-10B** NEUROPEPTIDE AND SEROTONIN EXPRESSION IN THE ADULT AND DEVELOPING CENTRAL COMPLEX OF THE GRASSHOPPER, SCHISTOCERCA GREGARIA  
*Z. Herbert, N. Kapan, S. Rauser, G. Boyan, Martinsried*
- T1-11B** TAMOXIFEN AND RALOXIFEN CHANGE THE AMOUNT AND THE SUBCELLULAR LOCALISATION OF THE GAP JUNCTION CONNEXIN 43 IN NTERA-2/D1 EMBRYONAL CARCINOMA CELLS  
*L. V. Dahm, F. Klugmann, B. Reuss, Göttingen*
- T1-12B** PAX6 PROMOTES NEUROGENESIS IN HUMAN NEURAL STEM CELLS  
*T. Kallur, R. Gisler, O. Lindvall, Z. Kokaia, Köln*
- T1-13B** BETULINIC ACID CHANGES THE AMOUNT AND SUBCELLULAR LOCALIZATION OF CX43 IN HUMAN NTERA-2/D1 CELLS  
*F. Klugmann, L. Dahm, B. Reuss, Göttingen*



- T1-14B** DOPAMINERGIC DIFFERENTIATION OF IMMORTALIZED NEURAL PROGENITORS OF THE CELL LINE CSM14.1 IN VITRO  
*B.-C. Eckhoff, S. J.-P. Haas, G. Lessner, O. Schmitt, A. Wree, Rostock*
- T1-15B** PROLIFERATIVE RESPONSE OF DISTINCT PRECURSOR SUBPOPULATIONS AND NEUROGENESIS AFTER CORTICAL INFARCTS IN THE YOUNG AND AGED DENTATE GYRUS  
*J. Walter, S. Keiner, J. Oberland, O. W. Witte, C. Redecker, Jena*
- T1-16B** SELF-RENEWAL AND DIFFERENTIATION IN NEURAL STEM CELL CULTURES ARE REGULATED BY GP130-DEPENDENT SIGNALING  
*M. Kirsch, A. Skorupa, H.-D. Hofmann, Freiburg*
- T1-17B** GENE REGULATION OF TENASCIN C AND ITS ISOFORMS IN THE DEVELOPING MOUSE CENTRAL NERVOUS SYSTEM AND NEURAL STEM CELLS  
*U. Theodoridis, A. von Holst, A. Faissner, Bochum*
- T1-18B** INTRACELLULAR SIGNALLING AND CELLULAR REMODELING INDUCED BY EPIDERMAL GROWTH FACTOR IN THE ADULT NEUROGENIC SUBVENTRICULAR ZONE *IN VIVO*  
*K. Gampe, M. Brill, S. Momma, N. Messemer, M. Götz, H. Zimmermann, Frankfurt/M.*
- T1-19B** OPTICAL MODULATION OF NEURONAL DIFFERENTIATION OF MOUSE EMBRYONIC STEM CELLS EXPRESSING CHANNELRHODOPSIN-2  
*A. Stroh, H.-C. Tsai, L. P. Wang, F. Zhang, J. Kressel, A. Aravanis, N. Santhanam, M. B. Schneider, A. Konnerth, K. Deisseroth, München*

## Saturday

- T1-1C** MAPPING OF THE EMBRYONIC ISOFORM OF THE MICROTUBULE ASSOCIATED PROTEIN TAU IN THE ADULT RAT BRAIN  
*T. Bullmann, M. Holzer, W. Härtig, T. Arendt, Leipzig*
- T1-2C** TRANSFORMING GROWTH FACTOR INDUCES NEUROGENESIS THROUGH ACTIVATION OF NEDD9  
*N. Buettner, S. Ahrens, K. Krieglstein, T. Vogel, Göttingen*
- T1-3C** S-PHASE MARKER - 5-BROMO-2-DEOXYURIDINE BIOAVAILABILITY AFTER INTRAPERITONEAL INJECTION  
*J. Ševc, Košice, Slovak Republic, Slovakia*
- T1-4C** ROLE OF THE *TSHZ1* GENE IN OLFACTORY BULB DEVELOPMENT  
*E. Rocca, C. Griffel, C. Birchmeier, A. Garratt, Berlin*
- T1-5C** DIRECTED NEURAL DIFFERENTIATION USING PROTEIN NANOARRAYS ON TISSUE-LIKE SOFT SUBSTRATES  
*C. P. Gojak, K. L. Tucker, J. P. Spatz, Heidelberg*

- T1-6C** EFFECTS OF HUMAN AMYLOID PRECURSOR PROTEIN ON HIPPOCAMPAL NEUROGENESIS IN TRANSGENIC MICE HOUSED IN ENRICHED ENVIRONMENT  
*N. Naumann, U. Ueberham, T. Arendt, U. Gärtner, Leipzig*
- T1-7C** LIPID PHOSPHATE PHOSPHATASES CONTROL CORTICAL LAYERING DURING EMBRYONIC DEVELOPMENT  
*T. Velmans, A. Bettefeld, J. Baumgart, N. E. Savaskan, D. N. Brindley, W. H. Moolenaar, R. Nitsch, U. Strauss, A. U. Bräuer, Berlin*
- T1-8C** FROM THE MATRIX TO THE NUCLEUS: THE SAM68 GENE FAMILY IN NEURAL STEM CELLS  
*S. Moritz, S. Lehmann, A. Faissner, A. von Holst, Bochum*
- T1-9C** GLIAL DIFFERENTIATION IN THE DEVELOPING DENTATE GYRUS OF REELER MICE  
*B. Brunne, S. Zhao, J. Herz, M. Frotscher, H. Bock, Freiburg*
- T1-10C** A CRUCIAL ROLE FOR PRIMARY CILIA IN CORTICAL MORPHOGENESIS  
*L. Tucker, K. Hasenpusch-Theil, H. A. Gardner, I. Kitanovic, V. C. Hirschfeld-Warneken, P. Gojak, K. Gorgas, C. L. Bradford, J. Spatz, S. Wölfl, T. Theil, M. A. Willaredt, Heidelberg*
- T1-11C** EXPRESSION PATTERN OF THE 473HD EPI TOPE ON DIVIDING CORTICAL PROGENITORS: A NOVEL EVIDENCE FOR REGULATION OF NEURON GENERATION DURING CORTICOGENESIS  
*A. Weber, S. Sirko, A. Faissner, Münster*
- T1-12C** HISTONE DEACETYLTRANSFERASE-MEDIATED CONTROL OF FOREBRAIN NEUROGENESIS: ANALYZING THE ROLE OF SPECIFIC HDACS THROUGH RNA INTERFERENCE  
*K. Weissmüller, K. L. Tucker, Heidelberg*
- T1-13C** FUNCTIONAL ANALYSIS OF SVET1 (UNC5H4) GENE IN THE DEVELOPING MOUSE NEOCORTEX  
*E. Kvashnina, V. Beilinson, V. Tarabykin, Göttingen*
- T1-14C** SHRNA-MEDIATED KNOCKDOWN OF TNAP AFFECTS PROLIFERATION AND DIFFERENTIATION IN ADULT NEURAL STEM CELL CULTURES  
*M. E. Stanke, B. Albuquerque, C. Leib, M. Ritter, H. Zimmermann, Frankfurt/M.*
- T1-15C** SONIC HEDGEHOG IS A POLARIZED SIGNAL FOR MOTOR NEURON REGENERATION IN ADULT ZEBRAFISH  
*C. G. Becker, M. M. Reimer, V. Kuscha, I. Sörensen, T. Becker, Edinburgh, United Kingdom*
- T1-16C** EXPRESSION AND FUNCTIONAL RELEVANCE OF RPTP BETA/ZETA ISOFORMS IN PROGENITORS OF THE DEVELOPING VISUAL RETINA  
*M. Besser, A. Faissner, Bochum*
- T1-17C** PROTEIN-TYROSINE PHOSPHATASE MEG2 IS SPATIALLY AND TEMPORALLY REGULATED IN THE DEVELOPING RETINA AND IS EXPRESSED IN THE RETINAL STEM CELL NICHE  
*J. Reinhard, A. Horvat-Bröcker, A. Faissner, Bochum*



- T1-18C** AFTER TRAUMATIC BRAIN INJURY CELLS OF THE OLIGODENDROGLIAL LINEAGE DIFFERENTIATE INTO PROTOPLASMATIC ASTROCYTES  
*A. Scheller, J. Hirrlinger, F. Kirchhoff, Göttingen*
- T1-19C** THE IDENTIFICATION AND CELL BIOLOGICAL CHARACTERIZATION OF THE NEURAL STEM/PROGENITOR CELLS THROUGHOUT HIPPOCAMPUS AT EARLY STAGES OF EMBRYONIC DEVELOPMENT  
*S. Sirko, A. Weber, A. Faissner, Münster*

## T2: Axon and dendrite development, synaptogenesis

### Thursday

- T2-1A** LEVELS AND REGIONAL EXPRESSION PATTERNS OF MAJOR HISTOCOMPATIBILITY COMPLEX (MHC) CLASS I GENES IN THE BRAIN OF THE COMMON MARMOSET MONKEY (*CALLITHRIX JACCHUS*)  
*A. Ribic, G. Flügge, L. Walter, E. Fuchs, Göttingen*
- T2-2A** FORMATION OF GABAERGIC SYNAPSES OCCURS WITHOUT THE INVOLVEMENT OF DENDRITIC PROTRUSIONS  
*C. J. Wierenga, N. Becker, T. Bonhoeffer, Martinsried*
- T2-3A** THE ACTIN BINDING PROTEIN PROFILIN1 IS CRITICAL FOR MOUSE CNS DEVELOPMENT  
*J. Kullmann, S. Wiesner, E. Perlas, R. Fässler, E. Friauf, W. Witke, M. Rust, Kaiserslautern*
- T2-4A** DEVELOPMENT OF THE NITRIC OXIDE/CYCLIC GMP SIGNALLING PATHWAY IN THE NERVOUS SYSTEM OF THE LOCUST EMBRYO  
*N. Böger, R. Eickhoff, G. P. Martinelli, G. Bicker, M. Stern, Hannover*
- T2-5A** CARBON MONOXIDE ORGANISES NO-DEPENDENT NEURONAL CHAIN MIGRATION  
*S. Knipp, G. Bicker, Hannover*
- T2-6A** PRE-SYNAPTIC VESICLE EXOCYTOSIS IN HUMAN MODEL NEURONS GENERATED BY SPHERICAL AGGREGATE CULTURE METHOD  
*M. A. Tegenge, G. Bicker, Hannover*
- T2-7A** SYNCAM1 OVEREXPRESSION INCREASES THE NUMBER OF EXCITATORY SYNAPSES, *IN VIVO*  
*A. J. Krupp, E. M. Robbins, T. Biederer, V. Stein, Martinsried*
- T2-8A** THE ROLE OF SATB2 AND CTIP2 IN CORTICAL CONNECTIVITY AND THE ELUCIDATION OF THEIR DOWNSTREAM PATHWAYS  
*P. Sgourdou, O. Britanova, C. de Juan Romero, M. Schwark, A. Cheung, Z. Molnar, V. Tarabykin, Göttingen*

- T2-9A** CALNEURONS PROVIDE A CALCIUM-THRESHOLD FOR TRANS-GOLGI NETWORK TO PLASMA MEMBRANE TRAFFICKING  
*M. Mikhaylova, P. Pasham, T. Munsch, S. Suman, K.-H. Smalla, E. Gundelfinger, Y. Sharma, M. Kreutz, Magdeburg*
- T2-10A** THE HISTONE DEACETYLASE SIRT2 IN AXONAL OUT-GROWTH AND PATHFINDING  
*K. V. Harting, R. Pandithage, B. Lüscher, B. Knöll, Tübingen*
- T2-11A** BDNF/EPHRIN-MODULATED NEURONAL MOTILITY RELIES ON SRF-DEPENDENT GENE EXPRESSION  
*C. Meier, B. Knöll, Tübingen*
- T2-12A** FAST SYNAPTIC SIGNALLING AS A GUIDING CUE FOR MIGRATING PRECURSORS OF CEREBELLAR CORTICAL INHIBITORY INTERNEURONS?  
*A. K. Wefers, C. Haberlandt, C. Steinhäuser, K. Schilling, R. Jabs, Bonn*

## Friday

- T2-1B** SRF MUTANT MICE DISPLAY REELER-LIKE PHENOTYPES INCLUDING HIPPOCAMPAL CELL/FIBRE DELAMINATION AND ABERRANT DENDRITIC BRANCHING  
*C. C. Stritt, B. Knöll, Tübingen*
- T2-2B** ANALYSIS OF NEURONAL MEMBRANE DYNAMICS USING FARNESYLATED PA-GFP  
*A. Gauthier, R. Brandt, Osnabrück*
- T2-3B** ROLE OF THE MICROTUBULE ASSOCIATED TAU PROTEIN IN THE SHAPING OF NEURONAL DENDRITES  
*C. E. Barbu, T. Bullmann, J. Gerdemann, M. Holzer, T. Arendt, Leipzig*
- T2-4B** SURVIVAL PROMOTING PEPTIDE/ Y-P30 ENHANCES AXON GROWTH BY ACTIVATING SYNDECAN-3 SIGNALING  
*S. Dash-Wagh, P. Landgraf, M. Kreutz, H. Pape, P. Wahle, Bochum*
- T2-5B** *IN VIVO* IMAGING OF SPONTANEOUS ACTIVITY PATTERNS IN THE DEVELOPING MOUSE VISUAL CORTEX  
*F. Siegel, C. Lohmann, Amsterdam, Netherlands*
- T2-6B** GLOBAL DEPRIVATION OF BRAIN-DERIVED NEURO-TROPHIC FACTOR IN THE CNS REVEALS AREA-SPECIFIC REQUIREMENT FOR DENDRITIC GROWTH  
*M. Zagrebelsky, A. Dreznjak, S. Rauskolb, Y.-A. Barde, M. Korte, Braunschweig*
- T2-7B** SPECIFIC ROLE OF PROFILINIIA AS A MEDIATOR OF STRUCTURAL PLASTICITY IN MATURE HIPPOCAMPAL NEURONS  
*K. Michaelsen, K. Murck, M. Zagrebelsky, B. M. Jockusch, M. Rothkegel, M. Korte, Braunschweig*



- T2-8B** MOLECULAR AND CELLULAR CHARACTERIZATION OF METHYLMERCURY AND SELENIUM SYNAPTOTOXICITY IN THE DEVELOPING HIPPOCAMPUS OF RATS AND MICE  
*J. V. Hradsky, U. Kreher, K. Braun, R. Nass, Magdeburg*
- T2-9B** THE IRM PROTEINS AND THEIR INVOLVEMENT IN OPTIC LOBE DEVELOPMENT  
*M. Helmstädter, B. Ahrens, K. Chaudhary, K.-F. Fischbach, Freiburg*
- T2-10B** COUNTER-BALANCING OF EPH FORWARD AND EPHRIN REVERSE SIGNALING EXPLAINS TOPOGRAPHIC GUIDANCE OF RETINAL GANGLION CELL AXONS  
*C. Gebhardt, M. Bastmeyer, F. Weth, Karlsruhe*
- T2-11B** MAPPING THE SYNAPTOME OF SPONTANEOUS SYNAPTIC CALCIUM TRANSIENTS REVEALS DISTANCE DEPENDENT PATTERNS OF SYNAPTIC ACTIVATION IN DENDRITES OF DEVELOPING HIPPOCAMPAL NEURONS  
*T. Kleindienst, C. Roth-Alpermann, T. Bonhoeffer, C. Lohmann, Amsterdam, Netherlands*
- T2-12B** PATERNAL CARE IS ESSENTIAL FOR DENDRITIC AND SYNAPTIC DEVELOPMENT OF PYRAMIDAL NEURONS IN THE SOMATOSENSORY CORTEX  
*J. Pinkernelle, A. Abraham, K. Seidel, C. Helmeke, K. Braun, Magdeburg*

## Saturday

- T2-1C** INVESTIGATION OF DEVELOPING NERVE BRES IN MOUSE EMBRYOS BY ULTRAMICROSCOPY  
*N. Jährling, M. Körte, K. Becker, E. R. Kramer, R. Weiler, H.-U. Dodt, Vienna, Austria*
- T2-2C** NEUROLIGIN1 REGULATES PRESYNAPTIC MATURATION  
*N. Wittenmayer, T. Kremer, F. Varoqueaux, N. Brose, T. Dresbach, Heidelberg*
- T2-3C** NOGO-A/RTN4-A REGULATES DENDRITIC GROWTH IN DEVELOPING PRIMARY HIPPOCAMPAL NEURONS  
*C. E. Bandtlow, S. Khantane, G. J. Obermair, M. Zagrebelsky, Innsbruck, Austria*
- T2-4C** CALSYNTENIN-1 AND APP SPECIFY DISTINCT ENDOSOMAL COMPARTMENTS IN THE AXONAL GROWTH CONE  
*M. Steuble, B. Gerrits, J.-M. Mateos, P. Streit, P. Sonderegger, Zürich, Switzerland*
- T2-5C** THE RNA-BINDING PROTEIN MARTA2 REGULATES DENDRITIC TARGETING OF MAP2 MRNAS  
*S. Kindler, K. H. Zivraj, M. Rehbein, J. Schütt, K. Falley, F. Buck, M. Schweizer, D. Richter, H.-J. Kreienkamp, Hamburg*
- T2-6C** NITRIC OXIDE REGULATES DEVELOPMENT OF ZEBRAFISH MOTONEURON AXONS  
*S. A. Bradley, J. R. McDearmid, Leicester, United Kingdom*

- T2-7C** NEUROLIGIN 2 DRIVES POSTSYNAPTIC DIFFERENTIATION AT INHIBITORY CONTACTS THROUGH GEPHYRIN AND COLLYBISTIN  
*A. Pouloupoulos, G. Aramuni, G. Meyer, I. Paarmann, N. Brose, W. Zhang, F. Varoqueaux, Göttingen*
- T2-8C** 3D QUANTIFICATION OF MORPHOLOGICAL ALTERATIONS OF COINCIDENCE DETECTOR NEURONS IN THE MEDIAL SUPERIOR OLIVE OF GERBILS DURING LATE POSTNATAL DEVELOPMENT  
*P. L. Rautenberg, B. Grothe, F. Felmy, Martinsried*
- T2-9C** NEURONAL M6-PROTEOLIPIDS ARE REQUIRED FOR NEURITE EXTENSION  
*P. de Monasterio-Schrader, U. Fünfschilling, A. Z. Burzynska, L. Dimou, M. Klugmann, K.-A. Nave, H. B. Werner, Göttingen*
- T2-10C** NEURONAL BHLH TRANSCRIPTION FACTORS NEX AND NDRF ARE ESSENTIAL REGULATORS OF CORTICAL AXON TRACT FORMATION  
*I. Bormuth, T. Yonemasu, M. Gummert, S. Goebbels, V. Tarabykin, K.-A. Nave, M. H. Schwab, Göttingen*
- T2-11C** IMAGING THE OUTGROWTH OF SPINAL NERVES IN SEMAPHORIN3A MUTANT MOUSE EMBRYOS  
*I. Brachmann, S. Herzer, K. L. Tucker, Heidelberg*

### T3: Developmental cell death, regeneration and transplantation

#### Thursday

- T3-1A** 6-HYDROXYDOPAMINE LESIONS OF NIGROSTRIATAL NEURONS IN THE MOUSE INDUCES TYROSINE HYDROXYLASE EXPRESSION IN STRIATAL NEURONS  
*S. J.-P. Haas, A. Hilla, D. Reinhardt, O. Schmitt, A. Wree, Rostock*
- T3-2A** CONTROL OF NEURONAL APOPTOSIS BY ELECTRICAL ACTIVITY  
*A. Golbs, N. Heck, J.-J. Sun, H. J. Luhmann, Mainz*
- T3-3A** ADAM17 OVEREXPRESSION INDUCES ANGIOGENESIS BY INCREASING THE PROLIFERATION OF PERICYTES DURING CHICKEN BRAIN MICROVESSEL DEVELOPMENT  
*J. Lin, C. Lemke, J. Luo, C. Redies, Jena*
- T3-4A** DIFFERENTIAL EXPRESSION OF APOPTOSIS INHIBITOR SURVIVIN IN RAT OLFACTORY EPITHELIUM  
*E. Weiler, D. Sokolski, Bochum*
- T3-5A** HIPPOCAMPAL SLICES AS MODEL FOR EVALUATION OF NEURONAL STEM/PROGENITOR CELLS TO IDENTIFY REGENERATIVE THERAPIES IN BACTERIAL MENINGITIS  
*S. Hofer, D. Grandgirard, K. Oberson, S. L. Leib, Bern, Switzerland*



## Friday

- T3-1B** THE ROLE OF SERUM RESPONSE FACTOR IN AXONAL REGENERATION  
*S. Stern, B. Knöll, Tübingen*
- T3-2B** A POTENT ANTI-NGR ANTIBODY WITH LIGAND-BLOCKING PROPERTIES DOES NOT ROBUSTLY AMELIORATE FUNCTIONAL DEFICITS IN TWO RAT MODELS FOR SPINAL CORD INJURY  
*M. Mezler, B. K. Mueller, A. Moeller, R. Mueller, A. H. Meyer, M. Schmidt, T. Ghayur, E. Barlow, A. Hahn, J.-C. Norreel, L. Szabo, H. Schoemaker, Ludwigshafen*
- T3-3B** A NOVEL SYNTHETIC SILICA HYDROGEL FOR CULTURING RAT HIPPOCAMPAL NEURONAL CELLS IN 3D  
*A. Cheung, G. Attard, W. Gray, P. Newland, Southampton, United Kingdom*
- T3-4B** CILIARY NEUROTROPHIC FACTOR STIMULATES AXON OUTGROWTH OF MATURE RETINAL GANGLION CELLS DIRECTLY VIA THE JAK/STAT3- AND PI3K-SIGNALING PATHWAYS AND INDIRECTLY VIA MAPK/ERK-SIGNALING PATHWAY DEPENDENT GLIAL ACTIVATION  
*A. Müller, T. G. Hawk, J. Lee, R. Marienfeld, D. Fischer, Ulm*

## Saturday

- T3-1C** BMP SIGNALING INDUCES TRANSDIFFERENTIATION OF THE NR INTO RPE  
*A. Vogel-Höpker, J. Steinfeld, P. Layer, Darmstadt*
- T3-2C** SUPPRESSION OF FIBROUS SCARRING FOLLOWING SPINAL CORD INJURY RESULTS IN DIFFERENT AXON GROWTH BEHAVIOUR OF VARIOUS SPINAL CORD FIBER TRACTS  
*N. Schiwy, N. Brazda, V. Estrada, H. W. Müller, Düsseldorf*
- T3-3C** USE OF DIFFERENT GEL MATRICES AS IMPLANTS AFTER SCAR RESECTION IN CHRONIC SPINAL CORD INJURY TO PROMOTE AXONAL REGENERATION  
*V. Estrada, N. Brazda, N. Schiwy, C. Schmitz, H. W. Müller, Düsseldorf*
- T3-4C** GLUCOSE-DEPENDENT INSULINOTROPIC POLYPEPTIDE (GIP) AND ITS RECEPTOR (GIPR): CELLULAR LOCALIZATION, LESION-AFFECTED EXPRESSION, AND IMPAIRED REGENERATIVE AXONAL GROWTH  
*F. Bosse, B. A. Buhren, M. Gasis, B. Thorens, H. W. Müller, Düsseldorf*
- T3-5C** THERAPEUTIC EVERY-OTHER-DAY FASTING IMPROVES RECOVERY FROM CERVICAL AND THORACIC SPINAL CORD INJURIES  
*W. Tetzlaff, W. Plunet, F. Streijger, M. Jeong, C. Lam, J. Plemel, J. H. Lee, J. Liu, Vancouver, BC, Canada*



## T4: Neurotransmitters, retrograde messengers and cytokines

### Thursday

- T4-1A** STUDIES ON A COLLEMBOLAN BRAIN: NEUROANATOMY AND IMMUNOCYTOCHEMISTRY  
*M. H. Kollmann, W. Huetteroth, J. Schachtner, Marburg*
- T4-2A** DOES NITRIC OXIDE AFFECT NEURONAL PLASMA MEMBRANES AND MORPHOLOGICAL DIFFERENTIATION?  
*S. Hippe, C. Grote-Westrick, R. Heumann, Bochum*
- T4-3A** NEURONAL INTEGRATION OF NEUROTRANSMITTER INPUTS IN *DROSOPHILA* KENYON CELLS  
*D. Raccuglia, U. Müller, Saarbrücken*
- T4-4A** TAURINE SPECIFICALLY ACTIVATES GABAERGIC NETWORKS IN THE DEVELOPING CEREBRAL CORTEX  
*A. B. Sava, H. J. Luhmann, W. Kilb, Mainz*
- T4-5A** ACTION OF NOS INHIBITORS AND AN NO SCAVENGER ON THE EXPRESSION OF AGGRESSION IN THE CRICKET *GRYLLUS BIMACULATUS* (DE GEER)  
*A. Maas, K. Schildberger, P. A. Stevenson, Leipzig*
- T4-6A** SIFAMIDE IN THE BRAIN OF THE HONEYBEE  
*S. Kreissl, J. Bierfeld, C. G. Galizia, Konstanz*

### Friday

- T4-1B** MODULATION OF A LOCUST FLIGHT STEERING MUSCLE BY OCTOPAMINE AND TYRAMINE  
*B. Stocker, H. Wolfenberg, H.-J. Pflüger, Berlin*
- T4-2B** NEW, CRYPTIC PEPTIDE DERIVED FROM THE RAT NEUROPEPTIDE FF PRECURSOR  
*P. Suder, J. H. Kotlinska, J. Silberring, Krakow, Poland*
- T4-3B** HOW DOES TAN MATURATION AND REACTION KINETIC AFFECT HISTAMINE RECYCLING FROM CARCININE?  
*B. T. Hovemann, S. Aust, F. Brüsselbach, S. Pütz, Bochum*
- T4-4B** ALTERED EXPRESSION OF PERIPHERAL BLOOD CYTOKINES IN MIGRAINEURS  
*A.-K. Puschmann, N. Üceyler, F. Mattern, C. Sommer, Würzburg*
- T4-5B** EFFECTS OF SEROTONERGIC COMPOUNDS IN RETINAL SPREADING DEPRESSION  
*M. Sieber, W. Hanke, V. M. Fernandes de Lima, Stuttgart*
- T4-6B** A COMPARISON OF THE SECRETION OF BDNF FROM HIPPOCAMPAL CULTURES INDUCED BY HIGH-POTASSIUM DEPOLARISATION AND BACKPROPAGATING ACTION POTENTIALS  
*G. Pramanik, T. Brigadski, V. Leßmann, Magdeburg*



## Saturday

- T4-1C** THE IMPACT OF CHRONIC AND ACUTE ADMINISTRATION OF IGF-I ON ACTIVITY-DEPENDENT RELEASE OF BDNF  
*P. Lichtenecker, T. Brigadski, V. Leßmann, Magdeburg*
- T4-2C** SIRNA MEDIATED KNOCKDOWN OF BDNF IN CA1 PYRAMIDAL NEURONS OF MOUSE HIPPOCAMPAL SLICE CULTURES  
*J. Daniel, V. Leßmann, T. Brigadski, Magdeburg*
- T4-3C** STIMULATION OF P2Y<sub>1</sub> RECEPTORS IN THE RAT PREFRONTAL CORTEX IMPAIRS SENSORY INFORMATION PROCESSING  
*H. Koch, H. Franke, T. Krügel, U. Krügel, Leipzig*
- T4-4C** INVOLVEMENT OF P2Y RECEPTORS IN SIGNAL TRANSDUCTION PATHWAYS IN DEVELOPMENT AND GROWTH  
*M. Grohmann, C. Heine, H. Franke, Leipzig*
- T4-5C** EFFECTS OF HIGH- AND LOW-FREQUENCY RTMS ON THE INHIBITORY SYSTEMS IN ADULT RAT CORTEX  
*A. Benali, S. Aydin-Abidin, . Mix, J. Trippe, U. T. Eysel, K. Funke, Bochum*

## T5: Protein-linked and other receptors

### Thursday

- T5-1A** MODULATION OF NEURONAL EXCITABILITY THROUGH GABA<sub>B</sub> RECEPTOR-MEDIATED TONIC INHIBITION IN THE RAT MEDIAL PREFRONTAL CORTEX *IN VITRO*  
*Y. Wang, K. Thurley, F. B. Neubauer, H.-R. Lüscher, Bern, Switzerland*
- T5-2A** PITUITARY ADENYLATE CYCLASE-ACTIVATING POLYPEPTIDE (PACAP) SELECTIVE RECEPTOR (PAC1R) EXPRESSION DURING THE EARTHWORM EMBRYOGENESIS  
*A. Boros, P. Engelmann, I. Somogyi, A. Lubics, D. Reglodi, E. Pollak, L. Molnar, Pecs, Hungary*
- T5-3A** IDENTIFICATION OF A NEUROPEPTIDE S RESPONSIVE CIRCUITRY CONNECTING ENDOPIRIFORM CORTEX AND AMYGDALA  
*S. Meis, J. R. Bergado-Acosta, O. Stork, T. Munsch, Magdeburg*
- T5-4A** ANALYSIS OF THE GUSTATORY RECEPTOR MEDIATED SIGNALING CASCADE IN *DROSOPHILA MELANOGASTER*  
*N. Bredendiek, G. Gisselmann, H. Hatt, E. M. Neuhaus, Bochum*

## Friday

- T5-1B** ANALYSIS OF RNA EDITING OF THE MOUSE 5-HT<sub>2C</sub> RECEPTOR BY REAL-TIME PCR  
*A. H. Meyer, D. Schul, A.-L. Jongen-Relo, A. Hahn, Ludwigshafen*
- T5-2B** CARBACHOL PROMOTES CORTICAL DIFFERENTIATION IN RAT  
*C. Colovic, S. Patz, P. Wahle, Bochum*
- T5-3B** DUAL MODULATORY ROLE OF GABA(B) RECEPTORS IN HIPOCAMPAL PARVALBUMIN-EXPRESSING CELLS  
*A. Kulik, D. Althof, A. Gross, R. Shigemoto, B. Bettler, M. Frotscher, I. Vida, Freiburg*
- T5-4B** DIFFERENTIAL EXPRESSION OF INHIBITORY NEURO-TRANSMITTER RECEPTOR SUBUNITS IN THE THALAMO-CORTICAL SYSTEM  
*S. Call, H.-C. Pape, T. Budde, Münster*

## Saturday

- T5-1C** MOLECULAR AND PHARMACOLOGICAL CHARACTERIZATION OF COCKROACH BIOGENIC AMINE RECEPTORS  
*B. Troppmann, A. Baumann, W. Blenau, Potsdam*
- T5-2C** FUNCTIONAL CHARACTERIZATION OF A NOVEL SPLICE VARIANT OF THE HUMAN OREXIN TYPE-2 RECEPTOR  
*C. Knopp, A. Kühl, K. Theil, A. Dendorfer, J. Wenzel, H. Terlau, P. Dominiak, O. Jöhren, Lübeck*
- T5-3C** SEROTONIN RECEPTORS 5-HT<sub>1A</sub> AND 5-HT<sub>7</sub>, THAT ACTIVATE DIFFERENT SIGNALLING PATHWAYS, FORM HETEROOLIGOMERS  
*U. Renner, A. Woehler, E. Neher, D. W. Richter, E. Ponimaskin, Göttingen*
- T5-4C** A POSSIBLE ROLE FOR TRPC CHANNELS IN SYNAPTIC SIGNALS OF OLFACTORY BULB GRANULE CELLS  
*V. Egger, O. Stroh, München*

## T6: Ligand-gated, voltage-dependent ion channels, and transporters

## Thursday

- T6-1A** IN SEARCH OF DELTA RECEPTOR-INTERACTING PROTEINS  
*A. Orth, C. Klein, B. Fränzel, R. Trippe, D. Wolters, M. Hollmann, Bochum*
- T6-2A** INHIBITION BY U73122 OF GIRK AND BK CHANNELS IN A PHOSPHOLIPASE C-INDEPENDENT FASHION  
*T. Huth, A. Klose, C. Alzheimer, Kiel*



- T6-3A** LOW VOLTAGE ACTIVATED CALCIUM CHANNELS ARE COUPLED TO RYANODINE RECEPTORS IN NEURONS OF THE THALAMIC RETICULAR NUCLEUS  
*P. Coulon, D. Herr, T. Budde, H.-C. Pape, Münster*
- T6-4A** ANTIDEPRESSANT-INDUCED INTERNALIZATION OF SEROTONIN TRANSPORTERS IN SEROTONERGIC NEURONS  
*T. Lau, S. Horschitz, S. Berger, D. Bartsch, P. Schloss, Mannheim*
- T6-5A** KV7/M-TYPE POTASSIUM CHANNELS ARE CRITICAL DETERMINANTS OF NEURONAL NETWORK ACTIVITY IN NEONATAL MOUSE BRAIN  
*Q. Le, A. Neu, I. Hanganu, M. L. Quyen<sup>3</sup>, D. Isbrandt<sup>1</sup>, Hamburg*
- T6-6A** ROLE OF THYROID HORMONE RECEPTORS ALPHA AND BETA FOR THE POSTNATAL REGULATION OF CAV1.3 CURRENTS IN MOUSE INNER HAIR CELLS  
*N. Brandt, C. Franz, F. Flamant, L. Quignodon, M. Knipper, J. Engel, Tübingen*
- T6-7A** MUTATION OF EXTRACELLULAR CYSTEINES DIFFERENTIALLY EFFECT THE K<sup>+</sup>-CL<sup>-</sup>-COTRANSPORTERS KCC2 AND KCC4  
*A.-M. Hartmann, M. Wenz, A. Mercado, C. Störger, E. Babilonia, D. Mount, E. Friauf, H. G. Nothwang, Oldenburg*
- T6-8A** LIVE-CELL SINGLE MOLECULE ANALYSIS OF SUBUNIT STOICHIOMETRIES OF ION CHANNELS AND RECEPTORS  
*M. H. Ulbrich, E. Y. Isacoff, Berkeley, USA*
- T6-9A** STIM1 EXHIBITS DIFFERENT NEURONAL EXPRESSION THAN STIM2 AND SHOWS PUNCTA-LIKE COLOCALIZATION WITH ORAI1 UPON DEPLETION OF ER CALCIUM STORE  
*J. Gruszczynska-Biegala, Warsaw, Poland*
- T6-10A** MODAL GATING, NOT WINDOW CURRENT, IS RESPONSIBLE FOR PERSISTENT NA<sup>+</sup> CURRENT IN NEOCORTICAL PYRAMIDAL NEURONS  
*E. Katz, I. Touitou, T. Tchumatchenko, F. Wolf, M. J. Gutnick, I. A. Fleidervish, Rehovot, Israel*
- T6-11A** CELL-AUTONOMOUS HOMEOSTATIC REGULATION IN MUSCLE CELLS OF THE FRUIT FLY *DROSOPHILA MELANOGASTER*  
*M. Wanischek, U. Rose, München*

## Friday

- T6-1B** NANOMOLAR AMBIENT ATP DECELERATES P2X<sub>3</sub> RECEPTOR KINETICS  
*R. Jabs, A. Grote, M. Hans, Z. Boldogkoi, A. Zimmer, C. Steinhäuser, Bonn*

- T6-2B** THE ROLE OF SODIUM CHANNEL AVAILABILITY IN DETERMINING ACTION POTENTIAL CONDUCTION VELOCITY IN UNMYELINATED AXONS  
*R. De Col, K. Messlinger, R. Carr, Erlangen*
- T6-3B** FUNCTIONAL INTERACTION BETWEEN T-TYPE  $Ca^{2+}$  AND A-TYPE  $K^+$  CURRENTS IN INTRALAMINAR THALAMOCORTICAL RELAY NEURONS  
*T. Budde, T. Broicher, H.-C. Pape, Münster*
- T6-4B** A TTX RESISTANT SODIUM CURRENT IN PRESUBICULAR NEURONS  
*D. Fricker, C. Dinocourt, E. Eugene, I. Cohen, J. Wood, R. Miles, Paris, France*
- T6-5B** MODULATION OF THE  $Ca^{2+}$ -CONDUCTANCE OF NICOTINIC ACETYLCHOLINE RECEPTORS BY THE ENDOGENOUS PROTEIN LYPD6  
*M. Morsch, M. Darvas, I. Rácz, A. Zimmer, S. Ahmadi, D. Swandulla, Bonn*
- T6-6B** A NOVEL FAMILY OF PROTEINS THAT CONTROL TRAFFICKING AND GATING OF AMPA RECEPTORS  
*N. Harmel, J. Schwenk, G. Zolles, U. Schulte, P. Jonas, B. Fakler, N. Klöcker, Freiburg*
- T6-7B** CONTRIBUTION OF A-TYPE POTASSIUM CURRENT  $I_{SA}$  IN B-AP AND EPSP ATTENUATION IN HIPPOCAMPAL CA1 PYRAMIDAL NEURONS  
*D. Minge, R. Bähring, Hamburg*
- T6-8B** THE CHLORIDE CHANNEL CLC-2 REGULATES NEURONAL EXCITABILITY  
*I. Rinke, V. Stein, München*
- T6-9B** MECHANISMS OF MGLUR1-MEDIATED SYNAPTIC SIGNALING IN CENTRAL NEURONS  
*H. Henning, J. Hartmann, A. Konnerth, München*
- T6-10B** TASK-3-LIKE CURRENTS IN THE MEDIAL AMYGDALA OF MICE AND RATS  
*T. M. Dobler, E. Wischmeyer, M. Weber, Würzburg*
- T6-11B** SPECIES DIFFERENCES IN REACTIVATION OF DIAPHRAGM MUSCLE FORCE GENERATION AFTER ORGANOPHOSPHATE POISONING  
*T. Seeger, S. Gonder, F. Worek, H. Thiermann, München*

## Saturday

- T6-1C** GLYCINE RECEPTOR SUBUNITS IN THE MURINE COCHLEA: EXPRESSION, LOCALIZATION AND DEVELOPMENTAL REGULATION  
*J. Długaićzyk, S. Buerbank, B. Schick, K. Becker, J. Engel, C.-M. Becker, M. Knipper, Erlangen*
- T6-2C** FUNCTIONAL EXPRESSION OF PURINERGIC P2X RECEPTORS IN THE RAT SUPRACHIASMATIC NUCLEI  
*A. Bhattacharya, V. Vavra, I. Svobodova, H. Zemkova, Prague, Czech Republic*



- T6-3C** ROLE OF GLYR ALPHA2 SUBUNIT FOR KCC2 EXPRESSION  
*S. B. Schumacher, D. Quinones, A. Schlicksupp, J. Kuhse, J. Kirsch, Heidelberg*
- T6-4C** IDENTIFICATION OF INTERACTIONS OF THE NOVEL TROUT SHAKER ALPHA-SUBUNIT TSHA3 WITH OTHER SHAKER SUBUNITS  
*R. Herrling, G. Jeserich, Osnabrück*
- T6-5C** CHLORIDE IMAGING IN TRIGEMINAL SENSORY NEURONS OF MICE  
*D. Radtke, J. Spehr, H. Hatt, Bochum*
- T6-6C** CHARACTERISATION OF GABA INDUCED RESPONSES OF TRIGEMINAL SENSORY NEURONS  
*N. Schöbel, A. Cichy, J. Spehr, H. Hatt, Bochum*
- T6-7C** FRAGRANT DIOXANE DERIVATIVES, A NEW CLASS OF POSITIVE MODULATORS OF GABA<sub>A</sub> RECEPTORS WITH SELECTIVITY FOR RECEPTORS CONTAINING BETA<sub>1</sub> SUBUNITS  
*G. Gisselmann, O. A. Sergeeva, A. Kragler, A. Poppek, W. Fleischer, O. Kletke, H. Hatt, Bochum*
- T6-8C** CLINICALLY USED ANTIDEPRESSANTS AUGMENT CELLULAR EXCITABILITY BY INHIBITING TANDEM-PORE DOMAIN POTASSIUM CHANNELS  
*M. B. Eckert, F. Döring, E. Wischmeyer, Würzburg*
- T6-9C** TAURINE IS A FULL AGONIST AT NATIVE AND RECOMBINANT GABAA RECEPTORS  
*O. Kletke, G. Gisselmann, H. Hatt, H. L. Haas, O. A. Sergeeva, Bochum*
- T6-10C** EXPRESSION AND ROLE OF CA2+ CHANNEL ALPHA2DELTA SUBUNITS IN THE PERIPHERAL AUDITORY SYSTEM OF MICE  
*A. Pirone, A. Zuccotti, C. Franz, L. Ruttiger, M. Knipper, J. Engel, Tübingen*
- T6-11C** T-TYPE CALCIUM CURRENT IS UPREGULATED BY ZINC IN THE HIPPOCAMPUS  
*F. Benninger, D. Ekstein, A. Becker, Y. Yaari, Jerusalem, Israel*

## T7: Synaptic transmission, pre- and postsynaptic organization

### Thursday

- T7-1A** LARGE DENSE CORE VESICLE EXOCYTOSIS IN MOUSE CHROMAFFIN CELLS IS REGULATED BY MUNC13S AND BAIAP3  
*Y. Shin, J.-S. Rhee, I. Augustin, W. J. Jockusch, N. Brose, S. M. Wojcik, Göttingen*

- T7-2A** ABERRANT FUNCTION AND STRUCTURE OF PHOTO-RECEPTOR RIBBON SYNAPSES IN THE ABSENCE OF COMPLEXINS 3 AND 4  
*K. Reim, H. Regus-Leidig, J. Ammermüller, J. H. Brandstätter, N. Brose, Göttingen*
- T7-3A** THE PROTEOME OF THE PRESYNAPTIC ACTIVE ZONE: FROM DOCKED SYNAPTIC VESICLES TO ADHESION MOLECULES AND MAXI-CHANNELS  
*W. Volkandt, M. Morciano, T. Beckhaus, M. Karas, H. Zimmermann, Frankfurt/M.*
- T7-4A** CHARACTERIZATION OF SV31, A NOVEL SYNAPTIC VESICLE MEMBRANE PROTEIN AND PUTATIVE TRANSPORTER  
*J. Barth, J. Burré, T. Beckhaus, M. Karas, H. Zimmermann, W. Volkandt, Frankfurt/M.*
- T7-5A** SYNDAPIN DEFICIENCY LEADS TO PROFOUND CHANGES IN DYNAMIN LOCALISATION, SYNAPTIC VESICLE MORPHOLOGY AND RECYCLING AT PRESYNAPTIC TERMINALS  
*D. Koch, A. Stellmacher, Y. Tsytsyura, N. Glyvuk, I. Spiwok-Becker, T. Ahmed, R. Ahuja, M. Moser, S. Schüler, A. Müller, A. Diesler, R. Spessert, T. Boeckers, D. Montag, D. Balschun, R. Faessler, J. Klingauf, M. M. Kessels, B. Qualmann, Jena*
- T7-6A** RAPID TIME-COURSE OF BACK-PROPAGATING ACTION POTENTIALS IN DENDRITIC SPINES OF CORTICAL NEURONS  
*K. Holthoff, A. Konnerth, D. Zecevic, Jena*
- T7-7A** EFFECTS OF NICOTINE ON MEMORY-RELATED HIPPOCAMPAL NETWORK OSCILLATIONS IN THE ADULT RAT *IN VITRO*  
*A. Liotta, G. Caliskan, R. ul Haq, C. J. Behrens, U. Heinemann, Berlin*
- T7-8A** CHARACTERIZATION OF THE SYNAPTIC ROLE AND LOCALIZATION OF THE FAMILY OF LIPRINS-ALPHA  
*M. Zürner, T. Mittelstaedt, S. Schoch, Bonn*
- T7-9A** ACTIVITY DEPENDENT SHIFT IN GABAERGIC ACTION IN IDENTIFIED NEURONS OF THE IMMATURE NEOCORTEX  
*W. Kilb, K. Achilles, H. J. Luhmann, Mainz*
- T7-10A** ACTIVITY-INDEPENDENT RECRUITMENT OF FUNCTIONAL AMPAR AT NEUREXIN/NEUROLIGIN CONTACTS  
*M. Heine, O. Thoumine, M. Mondin, B. Tessier, G. Giannone, D. Choquet, Magdeburg*
- T7-11A** NEUROBEACHIN: A NOVEL REGULATOR OF FUNCTIONAL RECEPTORS  
*R. Nair, M. Kilimann, N. Brose, J. S. Rhee, Göttingen*
- T7-12A** SPINE NECK PLASTICITY CONTROLS DEPOLARIZATION IN THE SPINE HEAD  
*Å. Grunditz, N. Holbro, L. Tian, Y. Zuo, T. G. Oertner, Basel, Switzerland*



- T7-13A** THE MECHANISM OF RELIABLE SYNAPTIC TRANSMISSION IN LAYER 4 OF THE VISUAL CORTEX  
*C.-H. Huang, T. Sakaba, Göttingen*
- T7-14A** IMPACT OF PRESYNAPTIC VOLTAGE TRANSIENTS ON POSTSYNAPTIC SPIKE TIMING AT A GRADED SYNAPSE IN THE FLY MOTION VISION SYSTEM  
*U. Beckers, M. Egelhaaf, R. Kurtz, Bielefeld*
- T7-15A** MULTIQUANTAL RELEASE UNDERLIES THE DISTRIBUTION OF SYNAPTIC EFFICACIES IN THE NEOCORTEX  
*A. Loebel, G. Silberberg, D. Helbig, H. Markram, M. Tsodyks, M. J. Richardson, Planegg-Martinsried*
- T7-16A** IDENTIFICATION AND FUNCTIONAL CHARACTERIZATION OF *DROSOPHILA* SRPK3, A SER/THR KINASE REQUIRED FOR PROPER DISTRIBUTION OF THE ACTIVE ZONE PROTEIN BRUCHPILOT IN LARVAE  
*A. Bloch, M. Jauch, V. Nieratschker, S. Dippacher, E. Asan, E. Buchner, Würzburg*
- T7-17A** SYNAPTIC ACTIVATION OF GROUP II METABOTROPIC GLUTAMATE RECEPTORS (MGLURS) IN THE DENTATE GYRUS OF THE RAT  
*V. Rupprecht, N. Güler, D. Dietrich, Bonn*
- T7-18A** AMBIENT GABA CONCENTRATION IN LAYER I OF THE POSTNATAL CORTEX  
*S. Kirischuk, O. Myakhar, K. Kirmse, A. Dvorzhak, Berlin*
- T7-19A** LOSS OF NEUROLIGIN2 DISRUPTS GABA RECEPTOR INTEGRITY AND LEADS TO FUNCTIONAL DEFICITS IN THE MOUSE RETINA  
*M. Hoon, G. Bauer, N. Brose, T. Moser, B. Falkenburger, F. Varoqueaux, Göttingen*

## Friday

- T7-1B** ACTIVE ZONE SCAFFOLDING PROTEIN SYD-2 REGULATES KINESIN-3 ACTIVITY  
*S. Mandalapu, C. Thiede, S. Lakaemper, O. Wagner, B. Koehler, K. Shen, D. Klopfenstein, Göttingen*
- T7-2B** SNARE-DEPENDENCE OF THE EXOCYTOSIS AT THE INNER HAIR CELL RIBBON SYNAPSE  
*R. Nouvian, A. Bulankina, T. Binz, T. Moser, Göttingen*
- T7-3B** N-CADHERIN CONTROLS VESICLE CLUSTERING DURING EARLY SYNAPSE MATURATION  
*K. Gottmann, A. Stan, Düsseldorf*
- T7-4B** THE LEM-DOMAIN PROTEIN MAN1 IS REQUIRED FOR PRESYNAPTIC FUNCTION AT THE *DROSOPHILA* NEUROMUSCULAR JUNCTION  
*A. Weyhersmüller, N. Wagner, S. Hallermann, R. J. Kittel, S. J. Sigrist, C. Samakovlis, M. Heckmann, Leipzig*
- T7-5B** NR2B-CONTAINING RECEPTORS ACTIVATED BY ERK ENHANCE PRESYNAPTIC GLUTAMATE RELEASE IN EPILEPTIC MICE  
*C. Gebhardt, C. DaCosta, A. Behrens, O. Kann, Berlin*



- T7-6B** DIFFERENT INPUT PATTERNS TO STELLATE VERSUS PYRAMIDAL CELLS IN THE ENTORHINAL CORTEX  
*P. S. Beed, M. H. Bendels, F. W. Johanning, C. Leibold, D. Schmitz, Berlin*
- T7-7B** OPTICAL RECORDING OF SINGLE SYNAPTIC VESICLE FUSION  
*R. Sinha, B. Görner, J. Klingauf, Göttingen*
- T7-8B** DELETION OF EITHER ONE OF THE NO RECEPTORS ALTERS EXCITATORY SYNAPTIC NEUROTRANSMISSION IN THE HIPPOCAMPAL CA1 FIELD  
*A. Neitz, E. Mergia, U. Eysel, D. Koesling, T. Mittmann, Bochum*
- T7-9B** ALL MUNC13 ISOFORMS ARE EXPRESSED AND DIFFERENTIALLY DISTRIBUTED IN THE MOUSE RETINA  
*B. H. Cooper, M. Hemmerlein, J. Ammermüller, J. H. Brandstätter, V. Frédérique, Göttingen*
- T7-10B** SEQUENTIAL BINDING OF SYNAPTOBREVIN TO SNARE PARTNERS DRIVES PRIMING AND FUSION IN CALCIUM-MEDIATED NEUROTRANSMITTER RELEASE  
*A. M. Walter, J. B. Sørensen, Göttingen*
- T7-11B** DENDRITE ARBORIZATION AND SYNAPSE MATURATION DASM1 - INVOLVEMENT IN SYNAPTIC TRANSMISSION  
*M. H. Traut, A. Mishra, R. Klein, V. Stein, München*
- T7-12B** COLD-STABLE MICROTUBULE AND ASSOCIATED PROTEINS IN THE BRAIN OF HIBERNATING HAMSTERS  
*T. Treutlein, T. Bullmann, M. Holzer, T. Arendt, Leipzig*
- T7-13B** LOCAL VS. GLOBAL TEMPORAL INTEGRATION OF EXCITATORY INPUT VIA ACTIVITY-DEPENDENT DENDRITIC SPIKE ATTENUATION  
*S. Remy, H. Beck, Bonn*
- T7-14B** ROLE OF THE 65-KDA ISOFORM OF GLUTAMIC ACID DECARBOXYLASE IN GABAERGIC SYNAPTIC TRANSMISSION IN THE LATERAL AMYGDALA  
*M. Vieler, L. Paulukat, M. Lange, K. Jüngling, H.-C. Pape, Münster*
- T7-15B** MODULATION OF SYNAPTIC PLASTICITY: FUNCTIONAL CHARACTERIZATION OF THE EFFECT OF EXTRACELLULAR MATRIXCOMPONENTS ON HIPPOCAMPUS NEURONS  
*A. Aguado, M. Pyka, M. Geissler, C. H. Wetzel, A. Faissner, H. Hatt, Bochum*
- T7-16B** BRUCHPILOT CONTROLS THE TEMPORAL PRECISION OF NEUROTRANSMITTER RELEASE  
*R. J. Kittel, S. Hallermann, D. Liaschenko, S. J. Sigrist, M. Heckmann, Leipzig*

## Saturday

- T7-1C** NOVEL INTERACTION PARTNERS OF AKAP79/150 IN THE SYNAPSE  
*X. Gorny, M. Mikhaylova, B. Schott, M. Kreutz, C. Seidenbecher, Magdeburg*



- T7-2C** IDENTIFICATION AND CHARACTERIZATION OF PROTEINS OF THE *DROSOPHILA* NERVOUS SYSTEM  
*P. Halder, A. Hofbauer, E. Buchner, Würzburg*
- T7-3C** EXCITATORY ACTIONS OF GABA AND TYRAMINE IN THE COCKROACH SALIVARY GLAND COMPLEX  
*C. Rotte, B. Walz, Potsdam*
- T7-4C** SYNAPTIC DEPRESSION AT INDIVIDUAL SYNAPSES OF PYRAMIDAL NEURONS IS GOVERNED BY SPINE MICROANATOMY  
*N. Holbro, A. Grunditz-Müller, T. G. Oertner, Basel, Switzerland*
- T7-5C** TRANSLAMINAR CONNECTIVITY IN SUPERFICIAL LAYERS OF THE NEOCORTEX  
*C. Wozny, S. R. Williams, Cambridge, United Kingdom*
- T7-6C** STIMULUS INDUCED TRANSLOCATION OF ALPHA  $Ca^{+2}$ /CALMODULIN DEPENDENT KINASE II (A-CAMKII) TO THE ELECTRICAL SYNAPSE PROTEIN CONNEXIN 36 (CX36)  
*S. Akinturk, G. Zoidl, R. Dermietzel, Bochum*
- T7-7C** CENTRAL GLUTAMATERGIC TRANSMISSION IS CONTROLLED BY LYSOPHOSPHATIDIC ACID  
*O. Kieselmann, A. Battefeld, B. Singh, J. Aoki, J. Chun, R. Grantyn, R. Nitsch, U. Strauss, A. U. Bräuer, Berlin*
- T7-8C** QUANTITATIVE AND QUALITATIVE MODULATION OF SYNAPSINS BY SAP47 IN *DROSOPHILA*  
*T. Nuwal, S. Racic, N. Funk, E. Buchner, Würzburg*
- T7-9C** NCAM UBIQUITINATION IS MEDIATED BY THE SCF UBIQUITIN LIGASE HOS (BETATRCP2)  
*S. Diestel, D. Schaefer, H. Cremer, B. Schmitz, Bonn*
- T7-10C** ANALYSIS OF THE SECRETORY APPARATUS OF TRICHOPLAX ADHAERENS  
*M. Hartisch, P. Burkhard, M. Eitel, B. Schierwater, D. Fasshauer, F. Varoqueaux, Göttingen*
- T7-11C** TOWARDS A MECHANISTIC MODEL OF SIGNALING EVENTS UNDERLYING INHIBITORY SYNAPSE ASSEMBLY  
*T. Soykan, A. Pouloupoulos, K. Harvey, C. Fuchs, N. Brose, F. Varoqueaux, Göttingen*
- T7-12C** PRESYNAPTIC MITOCHONDRIA MODULATE THE FUNCTIONAL PROPERTIES OF INDIVIDUAL SCHAFFER COLLATERAL BOUTONS  
*T. Rose, T. G. Oertner, Basel, Switzerland*
- T7-13C** IS CK2 BETA-DEFICIENCY IN MUSCLE FIBERS THE CAUSE FOR MITOCHONDRIAL MYOPATHIES ?  
*L. Simeone, S. W. Schubert, D. Heuss, S. Hashemolhosseini, Erlangen*
- T7-14C** FENESTRATION OF THE CALYX OF HELD DURING DEVELOPMENT OCCURS SEQUENTIALLY ALONG THE TONOTOPIC AXIS AND IS INFLUENCED BY AFFERENT ACTIVITY  
*M. C. Ford, B. Grothe, A. Klug, Planegg-Martinsried*

- T7-15C** SMALL GTPASES ALTER SYNAPTIC PLASTICITY AND FUNCTION  
*R. Bartels, C. Miech, Berlin*
- T7-16C** AN RNAI KNOCKDOWN APPROACH TO ELUCIDATE THE ROLE OF MOVER – A VERTEBRATE-SPECIFIC PRE-SYNAPTIC PROTEIN SPECIFICALLY ASSOCIATED WITH SYNAPTIC VESICLES  
*T. Dresbach, T. Kremer, C. Körber, C. Kempf, R. Nawrotzki, T. Kuner, J. Kirsch, N. Wittenmayer, Heidelberg*

## T8: Synaptic plasticity, LTP, LTD

### Thursday

- T8-1A** SPATIAL RANGE OF GABAERGIC SYNAPTIC PLASTICITY IN HIPPOCAMPAL SLICE CULTURES  
*A. Schuemann, T. Bonhoeffer, C. J. Wierenga, Martinsried*
- T8-2A** TRPV1 STIMULATION SUPPRESSES LTP IN MICE LATERAL AMYGDALA  
*C. Zschenderlein, D. Albrecht, Berlin*
- T8-3A** GLUTAMATE RECEPTOR MOBILITY IS LINKED TO LEARNING AND IS DEPENDENT ON N-COFLIN MEDIATED ACTIN FILAMENT DYNAMICS  
*M. Rust, Kaiserslautern*
- T8-4A** PROTEIN SYNTHESIS AND DEGRADATION REGULATE ACTIVITY-DEPENDENT PRESYNAPTIC STRUCTURAL PLASTICITY  
*I. Helling, T. Bonhoeffer, U. V. Nägerl, Martinsried*
- T8-5A** TRANSIENT METABOLIC FAILURE INDUCED BY SHORT-TERM HYPOXIA RESULTS IN A REVERSIBLE SUPPRESSION OF MEMORY CONSOLIDATION-RELATED HIPPOCAMPAL NETWORK OSCILLATIONS IN VITRO  
*M. S. Jarosch, C. J. Behrens, O. Kann, U. Heinemann, Berlin*
- T8-6A** TRANS-FISSURAL PROPAGATION OF STIMULUS-INDUCED GAMMA NETWORK OSCILLATIONS BETWEEN THE DENTATE GYRUS AND AREA CA1 IN THE HIPPOCAMPUS OF ADULT RAT IN VITRO  
*C. J. Behrens, J. Otahal, T. Dugladze, T. Gloveli, A. Boehlen, U. Heinemann, Berlin*
- T8-7A** A ROLE OF TESTOSTERONE IN HIPPOCAMPAL DENTATE GYRUS: SYNAPTIC PLASTICITY AND SPATIAL LEARNING IN MALE RATS  
*K. Schulz, J. U. Frey, V. Korz, Magdeburg*
- T8-8A** HIPPOCAMPAL CA1-LTP AND REINFORCEMENT OF AN EARLY-LTP BY STIMULATION OF THE VENTRAL TEGMENTAL AREA IN FREELY MOVING RATS  
*T. Scherf, J. U. Frey, S. Frey, Magdeburg*



- T8-9A** DEPOTENTIATION OF EARLY-LTP IN THE HIPPOCAMPAL CA1 REGION IN FREELY MOVING RATS BY MILD SWIM STRESS  
*N. B. Yeritsyan, H. Hassan, V. Korz, S. Frey, J. U. Frey, Magdeburg*
- T8-10A** SHORT-TERM PLASTICITY AT THE EMBRYONIC *DROSOPHILA* NEUROMUSCULAR JUNCTION  
*S. Hallermann, R. J. Kittel, H. Schmidt, S. J. Sigrist, J. Eilers, M. Heckmann, Leipzig*
- T8-11A** ROLE OF THE ACTIN NETWORK FOR SYNAPTIC TAGGING AND LATE-LTP IN HIPPOCAMPAL CA1 NEURONS  
*B. Ramachandran, S. Sreedharan, J. U. Frey, Magdeburg*
- T8-12A** DOPAMINERGIC BLOCKADE WITHIN THE NUCLEUS ACCUMBENS CORE IMPAIRS HIPPOCAMPAL DENTATE GYRUS LONG-TERM POTENTIATION AND SPATIAL LEARNING  
*H. Tabassum, V. Korz, J. U. Frey, Magdeburg*

## Friday

- T8-1B** DEMONSTRATION OF MAMMALIAN EPENDYMIN-RELATED PROTEINS (MERPS) IN THE CEREBELLUM, HIPPOCAMPUS AND NEOCORTICAL AREAS OF THE ADULT MOUSE BRAIN BY IN SITU-HYBRIDISATION AND IMMUNOHISTOCHEMICAL STAINING  
*D. Hinchliffe, S. Schneider, R. Schmidt, Gießen*
- T8-2B** THE ROLE OF BDNF DURING LESION INDUCED FACILITATION OF LTP IN THE VISUAL CORTEX  
*T. Mittmann, S. Breiter, S. Patz, I. Abidin, U. T. Eysel, P. Wahle, Bochum*
- T8-3B** INFLUENCE OF NUCLEUS ACCUMBENS CORE OR SHELL STIMULATION ON EARLY LONG-TERM POTENTIATION IN THE DENTATE GYRUS OF FREELY MOVING RATS  
*J. Kudolo, J. A. Bergado, J. U. Frey, Magdeburg*
- T8-4B** EXPRESSION OF NEW CPEB1 AND CPEB2 SPLICE ISOFORMS IN HIPPOCAMPAL NEURONS  
*S. L. Turimella, V. R. Vangoor, P. Bedner, L. Kaczmarczyk, G. Seifert, C. Steinhäuser, M. Theis, Bonn*
- T8-5B** NEUROMODULATORY EFFECTS OF NOREPINEPHRINE ON STIMULUS-INDUCED SHARP WAVE-RIPPLE COMPLEXES (SPW-RS) IN THE ADULT RAT HIPPOCAMPUS *IN VITRO*  
*R. ul Haq, A. Liotta, M. Jarosch, U. Heinemann, C. J. Behrens, Berlin*
- T8-6B** ENHANCED CORTICAL PLASTICITY OF HORIZONTAL CONNECTIONS IN THE VICINITY OF FOCAL LASER LESIONS IN THE VISUAL CORTEX  
*B. Imbrosci, T. Mittmann, U. T. Eysel, Bochum*

- T8-7B** DENDRITIC COMPARTMENTALIZATION DETERMINES SYNAPTIC PLASTICITY IN SENSORY AND ASSOCIATIVE SPINES OF THE ANTERIOR PIRIFORM CORTEX  
*F. W. Jenhning, P. Beed, M. Bendels, D. Schmitz, Berlin*
- T8-8B** PROTEIN SYNTHESIS AND PROLONGED (LATE)-LTP IN A HIPPOCAMPAL CA1 „TWO-INPUT-IN-VIVO-MODEL“ AS THE PRECONDITION FOR „SYNAPTIC TAGGING“-EXPERIMENTS IN THE INTACT RAT  
*H. Hassan, J. U. Frey, Magdeburg*
- T8-9B** ROLE OF NOGOA IN REGULATING ACTIVITY-DEPENDENT SYNAPTIC PLASTICITY IN THE MATURE MOUSE HIPPOCAMPUS  
*A. Delekate, M. Zagrebelsky, M. E. Schwab, M. Korte, Braunschweig*
- T8-10B** FORMATION, SECRETION AND REDISTRIBUTION OF THE GLYCOPROTEIN EPENDYMIN AND ITS FUNCTIONAL LOCALISATION IN AN ULTRA-STRUCTURAL STUDY OF GOLDFISH BRAIN  
*F. Kreul, R. Schmidt, Gießen*
- T8-11B** LEARNING HEAD-CENTERED REPRESENTATIONS BY TEMPORAL INVARIANCE LEARNING  
*S. T. Philipp, F. Michler, F. Bremmer, T. Wachtler, Marburg*
- T8-12B** ANALYSIS OF DENDRITIC SPINE PLASTICITY WITH 2-PHOTON GLUTAMATE UNCAGING AND 2-PHOTON IMAGING  
*V. Scheuss, D. Meyer, T. Bonhoeffer, Martinsried*

## Friday

- T8-1C** INTERACTION BETWEEN SHORT-TERM FACILITATION AND DEPRESSION AT THE CALYX OF HELD  
*J. D. Goutman, M. Müller, R. Schneggenburger, Lausanne, Switzerland*
- T8-2C** NRG1-ERBB4 SIGNALING MODULATES SYNAPTIC FUNCTION IN THE MATURE CORTEX  
*M. Gummert, A. Agarwal, K. Radyushkin, S. Boretius, A. Stradomska, I. Trembak, E. Fuchs, S. Hülsmann, J. Frahm, C. Birchmeier, H. Monyer, H. Ehrenreich, W. Zhang, K.-A. Nave, M. Schwab, Göttingen*
- T8-3C** GENETICALLY ENCODED CALCIUM INDICATORS AS A TOOL TO DISSECT NUCLEAR CALCIUM TRANSIENTS INDUCED BY DIFFERENT LTP STIMULATION PARADIGMS IN ACUTE HIPPOCAMPAL SLICES  
*H. E. Freitag, F. Hofmann, C. P. Bengtson, J.-M. Weislogel, H. Bading, Heidelberg*
- T8-4C** ROLE OF TRKB.T1 AND P75 NEUROTROPHIN RECEPTORS IN SHAPING NEURONAL MORPHOLOGY OF HIPPOCAMPAL NEURONS  
*J. Huch, K. Michaelsen, M. Zagrebelsky, M. Korte, Braunschweig*



- T8-5C** CRITICAL EXPERIMENTAL CONDITIONS FOR SPIKE TIME DEPENDENT PLASTICITY IN HIPPOCAMPAL SLICES  
*E. Edelmann, V. Leßmann, Magdeburg*
- T8-6C** WHEN LESS IS MORE: IMPACT OF SHORT TERM PLASTICITY ON SPIKE SEQUENCE PROCESSING  
*H. Kielblock, M. Timme, Göttingen*
- T8-7C** MAGNETIC STIMULATION INDUCES LONG-TERM POTENTIATION IN RAT HIPPOCAMPAL SLICES  
*T. Tokay, N. Hall, T. Kirschstein, V. Zschorlich, R. Köhling, Rostock*
- T8-8C** ERK-PHOSPHORYLATION DECIDES WHETHER JACOB IS A MEDIATOR OF NMDA-RECEPTOR INDUCED PLASTICITY OR CELL DEATH  
*A. Karpova, M. Mikhaylova, Y. Vakhitova, C. Spilker, K.-H. Smalla, W. Zuschratter, T. Kähne, T. M. Böckers, E. D. Gundelfinger, M. R. Kreutz, Magdeburg*
- T8-9C** HIGH RESOLUTION RECORDING OF ORGANOTYPIC BRAIN SLICES WITH MULTI-TRANSISTOR ARRAY  
*C. Hermann, P. Fromherz, Martinsried*
- T8-10C** LOW-FREQUENCY STIMULATION OF THE TEMPO-ROAMMONIC PATHWAY INDUCES HETEROSYNAPTIC DISINHIBITION IN THE SUBICULUM  
*P. Fidzinski, M. Wawra, U. Heinemann, J. Behr, Berlin*
- T8-11C** ROLE OF THE 5-HT4 RECEPTOR IN MORPHOGENIC SIGNALLING IN NEURONS  
*F. Kobe, E. Ponimaskin, D. W. Richter, Göttingen*
- T8-12C** SYNAPSE-SPECIFIC AND COMPARTMENT-SPECIFIC EXCITATION OF DENTATE GYRUS BASKET CELLS  
*M. Bartos, S. Sambandan, Aberdeen, United Kingdom*

## T9: Glia, glia-neuron Interactions

### Thursday

- T9-1A** RECOGNITION, PRESENCE AND SURVIVAL OF LOCUST CENTRAL NERVOUS GLIA IN SITU AND IN VITRO  
*D. Gocht, S. Wagner, R. Heinrich, Göttingen*
- T9-2A** AUTOCRINE CELL VOLUME REGULATION OF RETINAL GLIAL CELLS: INVOLVEMENT OF VOLTAGE-GATED CALCIUM AND SODIUM CHANNELS  
*R. Linnertz, P. Wiedemann, A. Bringmann, A. Wurm, T. Pannicke, A. Reichenbach, Leipzig*
- T9-3A** SPATIAL EXPRESSION OF THE GLUTAMATE TRANSPORTERS GLAST AND GLT-1 DURING POSTNATAL DEVELOPMENT OF THE MOUSE HIPPOCAMPUS  
*A. E. Rduch, C. R. Rose, K. W. Kafitz, Düsseldorf*
- T9-4A** SYNAPTICALLY-INDUCED INTRACELLULAR SODIUM SIGNALS IN HIPPOCAMPAL ASTROCYTES *IN SITU*  
*J. Langer, C. R. Rose, Düsseldorf*

- T9-5A** AMMONIA INHIBITS MGLUR-MEDIATED CALCIUM SIGNALING IN HIPPOCAMPAL ASTROCYTES AND NEURONS *IN SITU*  
*T. Steiner, T. Kelly, C. R. Rose, Düsseldorf*
- T9-6A** CHARACTERIZATION OF SYNAPTICALLY-EVOKED CALCIUM TRANSIENTS IN DIFFERENT SUBTYPES OF HIPPOCAMPAL ASTROCYTES  
*S. D. Meier, C. Walz, C. R. Rose, Düsseldorf*
- T9-7A** GABA TRANSPORT-MEDIATED CALCIUM SIGNALING IN OLFACTORY BULB ASTROCYTES  
*M. Doengi, P. Coulon, H.-C. Pape, J. W. Deitmer, C. Lohr, Münster*
- T9-8A** VESICULAR RELEASE OF GLUTAMATE AND ATP ALONG AXONS ACCOUNTS FOR NEURON-GLIA COMMUNICATION IN THE MOUSE OLFACTORY BULB  
*A. Rieger, D. Hirnet, J. W. Deitmer, C. Lohr, Kaiserslautern*
- T9-9A** THE 473 EPITOPE INFLUENCES AXON GROWTH AND SURVIVAL OF CULTURED EMBRYONIC MOTONEURONS  
*S. Wiese, R. Conrad, A. Faissner, A. Klausmeyer, Bochum*
- T9-10A** DELETION OF AQUAPORIN-4 INDUCES OSMOTIC SWELLING IN RETINAL MÜLLER CELLS  
*T. Pannicke, A. Wurm, I. Iandiev, G. Seifert, C. Steinhäuser, P. Wiedemann, A. Reichenbach, A. Bringmann, Leipzig*
- T9-11A** ACUTE OSMOTIC SWELLING OF RETINAL GLIAL (MÜLLER) CELLS EVOKED BY GLUTAMINE - IMPLICATIONS FOR HEPATIC RETINOPATHY  
*A. Karl, A. Bringmann, A. Reichenbach, Leipzig*
- T9-12A** POST MORTEM ACTIVITY OF MICROGLIA IN THE MOUSE SPINAL CORD  
*E. D. Schomburg, P. Dibaj, H. Steffens, F. Nadrigny, F. Kirchhoff, Göttingen*
- T9-13A** TRANSPORT AND METABOLISM OF FLUORESCENT GLUCOSE IN CEREBELLAR SLICES  
*P. Jakob, R. Courjaret, A. Loaiza, C. Lohr, L. F. Barros, J. W. Deitmer, Kaiserslautern*
- T9-14A** NUCLEOTIDE-MEDIATED SIGNALING IN SUSTENTACULAR CELLS IN THE OLFACTORY EPITHELIUM  
*I. Manzini, T. Hassenklöver, S. Kurtanska, S. Junek, I. Bartoszek, D. Schild, Göttingen*

## Friday

- T9-1B** MITOCHONDRIAL DIVERSITY AND CORRELATED DYM OSCILLATIONS AS REVEALED BY ONE- AND MULTIPHOTON IMAGING  
*M. Müller, V. C. Keil, F. Funke, Göttingen*
- T9-2B** TENASCIN C CONTROLS OLIGODENDROCYTE DIFFERENTIATION BY ACTIVATION OF DISTINCT SIGNALLING PATHWAYS  
*T. Czopka, A. von Holst, C. French-Constant, A. Faissner, Bochum*



- T9-3B** THE NAD<sup>+</sup>/NADH REDOX STATE OF ASTROCYTES: IMPACT ON SIGNAL PROCESSING AND GENE EXPRESSION  
*F. Wilhelm, J. Rillich, U. Winkler, J. Hirrlinger, Leipzig*
- T9-4B** CELL ADHESION AND STRUCTURAL PLASTICITY OF ASTROCYTES: FOCUS ON VINCULIN  
*U. Winkler, M. Sestu, W. H. Ziegler, J. Hirrlinger, Leipzig*
- T9-5B** ACTIVATION OF MICROGLIA IN THE RETINA EVOKED BY VARIED STIMULI  
*E. Ulbricht, S. Uhlmann, A. Reichenbach, M. Francke, Leipzig*
- T9-6B** PRE-ISCHEMIC, BUT NOT POST-ISCHEMIC NOGO-A DEACTIVATION AGGRAVATES NEURONAL INJURY AFTER MIDDLE CEREBRAL ARTERY OCCLUSION IN MICE: IMPLICATION OF RAC1 AND RHOA PATHWAYS  
*A. Elali, E. Kilic, U. Kilic, M. E. Schwab, C. L. Bassetti, D. M. Hermann, Essen*
- T9-7B** INVESTIGATING THE EXPRESSION AND FUNCTION OF CPEB PROTEINS IN ASTROCYTES  
*V. R. Vangoor, S. L. Turimella, L. Kaczmarczyk, S. Passlick, A. Derouiche, G. Seifert, C. Steinhäuser, M. Theis, Bonn*
- T9-8B** COMPARISON OF CX43 KNOCK-IN REPORTER MICE TO INVESTIGATE TRANSLATIONAL REGULATION OF CX43 IN THE CENTRAL NERVOUS SYSTEM  
*P. Dublin, P. Bedner, J. Degen, L. Kaczmarczyk, P. Theofilas, A. Derouiche, K. Willecke, C. Steinhäuser, M. Theis, Bonn*
- T9-9B** HOW DOES PROTEOGLYCAN DEFICIENCY AFFECT THE MOUSE BRAIN?  
*N. John, D. Balschun, F. Angenstein, H. Niessen, E. D. Gundelfinger, C. I. Seidenbecher, Magdeburg*
- T9-10B** ECM AND SYNAPTOGENESIS: MONITORING THE IMPACT OF EXTRACELLULAR MATRIX ON SYNAPSE FORMATION IN HIPPOCAMPAL NEURONS  
*M. Pyka, C. Wetzel, A. Aguado, C. Seidenbecher, E. Gundelfinger, H. Hatt, A. Faissner, Bochum*
- T9-11B** CONNEXIN EXPRESSION BY RADIAL GLIA-LIKE CELLS IS REQUIRED FOR NEUROGENESIS IN THE ADULT DENTATE GYRUS  
*C. Hartmann, A. Kunze, M. R. Congreso, A. Wallraff-Beck, K. Hüttmann, P. Bedner, R. Requardt, G. Seifert, C. Redecker, K. Willecke, A. Hofmann, A. Pfeifer, M. Theis, C. Steinhäuser, Bonn*
- T9-12B** ASTROCYTES COMMUNICATE WITH THE CALYX OF HELD SYNAPSE  
*D. Reyes-Haro, M. Alwin, J. Mueller, T. Pivneva, C. Nolte, H. Kettenmann, Berlin*
- T9-13B** COCULTURES OF RODENT OLFACTORY ENSHEATHING CELLS (OEC) AND OLFACTORY RECEPTOR NEURONS (ORN): SYNTHESIS OF CILIARY NEUROTROPHIC FACTOR (CNTF) AND NEURITE GROWTH  
*H. Bömmel, A. Steinke, E. Asan, Würzburg*



- T9-14B** ACTIVITY-DEPENDENT CURRENTS RECORDED FROM ASTROCYTES IN THE RESPIRATORY NETWORK  
*C. Schnell, Y. Oku, S. Hülsmann, Göttingen*
- T9-15B** FUNCTIONAL EX VIVO ANALYSIS OF MOUSE MICROGLIA REVEALS DEVELOPMENTAL PROFILES IN RESPONSES TO TOLL-LIKE RECEPTOR (TLR) STIMULATION FROM BIRTH TO ADULTHOOD  
*T. Regen, J. Scheffel, J. Wessels, S. Kohsaka, W. Brück, D. van Rossum, U.-K. Hanisch, Göttingen*

## Saturday

- T9-1C** CONTRIBUTION OF EXTRACELLULAR MATRIX (ECM) MOLECULES TO SYNAPTOGENESIS AND SYNAPTIC PLASTICITY: STUDIES IN THE QUADRUPLE KNOCK OUT MICE  
*M. Geissler, A. Faissner, Bochum*
- T9-2C** QUANTITATIVE PROTEOMIC ANALYSIS OF ASTROCYTIC SECRETION  
*S. Cambridge, F. Bradke, W. Nickel, M. Mann, München-Martinsried*
- T9-3C** FUNCTIONAL INTERACTION OF TROUT MYELIN PROTEIN HETEROLOGOUSLY EXPRESSED IN A MAMMALIAN OLIGODENDROGLIAL CELL LINE  
*K. Klempahn, G. Jeserich, Osnabrück*
- T9-4C** IMPAIRED ADULT NEUROGENESIS IN MICE WITH REDUCED CX43 EXPRESSION  
*A. Stahr, J. Behler, D. Freitag, M. Guenther, O. W. Witte, C. Frahm, Jena*
- T9-5C** ACTIVIN A ENHANCES NO RELEASE FROM MICROGLIAL CELLS STIMULATED WITH TOLL-LIKE RECEPTOR AGONISTS  
*S. Ebert, S. Ribes, R. Nau, U. Michel, Göttingen*
- T9-6C** ACTIVATED COMPLEMENT PRODUCTS C3A AND C5A STIMULATE PHAGOCYTOSIS OF *ESCHERICHIA COLI* DH5A BY MURINE MICROGLIAL CELLS  
*S. Ribes, S. Ebert, T. Regen, N. Adam, U.-K. Hanisch, R. Nau, Göttingen*
- T9-7C** MOLECULAR COMPOSITION OF PERINEURONAL NETS  
*G. W. Franken, Magdeburg*
- T9-8C** GLIA-NEURON INTERACTION DURING HIPPOCAMPAL EPILEPTIFORM ACTIVITY  
*C. Böhm, U. P. Froiep, U. Häussler, U. Egert, Freiburg*
- T9-9C** THE EFFECT OF THE TYRPHOSTIN AG126 ON TLR ACTIVATED MICROGLIA  
*C. Menzfeld, U.-K. Hanisch, Göttingen*
- T9-10C** NO EVIDENCE FOR SPIKING PROPERTIES IN NG2 GLIA OF THE MOUSE CEREBELLAR WHITE MATTER.  
*K. Le Meur, A. Scheller, K. Karram, J. Trotter, F. Kirchhoff, Göttingen*



- T9-11C** LONG-TERM, MULTI-CELLULAR, TIME-LAPSE IMAGING ANALYSIS OF SPINAL CORD INJURY IN VIVO  
*F. Nadrigny, H. Steffens, P. Dibaj, A. Scheller, E. D. Schomburg, F. Kirchhoff, Göttingen*
- T9-12C** AQP4, NESTIN AND GFAP EXPRESSION IN STRIATAL AND MIDBRAIN MOUSE ASTROCYTES IN VITRO  
*B. Wachter, E. Küppers, Tübingen*
- T9-13C** TEMPORALLY CONTROLLED ABLATION OF AMPA-TYPE GLUTAMATE RECEPTORS IN BERGMANN GLIA  
*A. S. Saab, S. Rudolph, P. G. Hirrlinger, A. Scheller, M. E. Rubio, F. Kirchhoff, Göttingen*
- T9-14C** MICROGLIAL CONTRIBUTION TO NEURODEGENERATION IN THE SOD1 (G93A) MOUSE MODEL FOR ALS - A 2P-LSM STUDY IN VIVO  
*P. Dibaj, H. Steffens, J. Zschüntzsch, F. Nadrigny, E. D. Schomburg, F. Kirchhoff, C. Neusch, Göttingen*

## T10: Aging and developmental disorders

### Thursday

- T10-1A** DEFORMATION-BASED MORPHOMETRY REVEALED CEREBELLAR VOLUME ALTERATIONS IN RATS WITH CORTICAL DYSPLASIA  
*S. Schmidt, M. Metzler, C. Gaser, K.-H. Herrmann, J. Reichenbach, O. W. Witte, Jena*
- T10-2A** DEFECTIVE SORTING OF L1 MISSENSE MUTATIONS IN THE ENDOPLASMATIC RETICULUM  
*M. K. Schäfer, Freiburg*
- T10-3A** IS THERE AN IMPACT OF NEURONAL RAS ACTIVITY ON RETT SYNDROME?  
*J. Neumann, R. Heumann, Bochum*
- T10-4A** PROTEOLYTIC PROCESSING OF REELIN IS ALTERED BY EPILEPTIC ACTIVITY IN RAT HIPPOCAMPAL SLICE CULTURES  
*S. Tinnes, M. Frotscher, C. A. Haas, Freiburg*

### Friday

- T10-1B** METABOLIC AND STRUCTURAL CHANGES IN THE RAT BRAIN AFTER TRANSIENT OCCLUSION OF THE ANTERIOR CEREBRAL ARTERY  
*H. Endepols, U. Himmelreich, T. D. Farr, H. Backes, G. Mies, R. Graf, Köln*
- T10-2B** TRANSCRIPTOMIC ANALYSIS OF SCHIZOPHRENIA-RELATED BRAIN REGIONS OF NEUREGULIN-1 DEFICIENT MICE  
*P. Kaiser, M. Bastmeyer, F. Weth, Karlsruhe*

- T10-3B** COGNITIVE AND EMOTIONAL CHANGES IN THE BEHAVIOUR OF RATS AFTER OCCLUSION OF THE ANTERIOR CEREBRAL ARTERY  
*H. Mertgens, G. Mies, R. Graf, H. Endepols, Köln*
- T10-4B** COMPARISON OF THE CADHERIN EXPRESSION IN THE CEREBRAL CORTEX OF WILD TYPE AND REELER MICE  
*N. Hertel, C. Redies, Jena*

## Saturday

- T10-1C** FUNCTION OF BACE1 AND NEUREGULINS IN THE DEVELOPING AND ADULT BRAIN  
*A. Garratt, Berlin*
- T10-2C** FRAGILE X MENTAL RETARDATION PROTEIN REGULATES THE LEVELS OF SELECT SCAFFOLD PROTEINS AND GLUTAMATE RECEPTOR SUBUNITS IN POSTSYNAPTIC DENSITIES  
*J. Schütt, K. Falley, D. Richter, H.-J. Kreienkamp, S. Kindler, Hamburg*
- T10-3C** CHARACTERISATION OF DYSLAMINATION IN FOCAL CORTICAL DYSPLASIA WITH LAYER-SPECIFIC MARKERS  
*S. Fauser, J. Nakagawa, S. Huber, J. Zentner, C. A. Haas, Freiburg*
- T10-4C** DEVELOPMENTAL REGULATION OF THE SEROTONERGIC SYSTEM IN THE BRAINSTEM OF MECP2-DEFICIENCY  
*T. Manzke, M. Niebert, O. Bidon, G. Flügge, D. W. Richter, Göttingen*
- T10-5C** DEVELOPMENTAL EXPRESSION OF GFAP AND S-100B IN FLUOXETINE TREATED RATS  
*N. Bock, T. Manzke, V. Roessner, A. Rothenberger, Göttingen*

## T11: Alzheimer's, Parkinson's and other neurodegenerative diseases

### Thursday

- T11-1A** REDUCED LIFE SPAN AND BEHAVIOURAL DEFICITS IN ALPHA-SYNUCLEIN TRANSGENICS  
*S. Mendritzki, S. Schmidt, S. Kurtenbach, E. Neuhaus, H. Lübbert, C. C. Stichel, Bochum*
- T11-2A** PARKIN-KNOCKOUT MICE: FOCUS ON MITOCHONDRIAL ALTERATIONS  
*S. Schmidt, S. Mendritzki, C. C. Stichel, H. Lübbert, Bochum*
- T11-3A** DEGENERATION OF DENDRITES OCCURS IN A MOUSE MODEL OF ALZHEIMER'S DISEASE WHICH EXHIBITS SENILE PLAQUES BUT NOT IN ANOTHER ONE PRODUCING ONLY INTRACELLULAR A $\beta$   
*A. Rijal Upadhaya, K.H. Wiederhold, D. Abramowski, E. Capetillo-Zarate, H. Yamaguchi, S. Liebau, M. Staufenbiel, D.R. Thal*



- T11-4A** NEONATAL BRAINSTEM IS PRONE TO THE GENERATION OF SPREADING DEPRESSION DURING SEVERE HYPOXIA  
*F. Funke, M. Kron, M. Dutschmann, M. Müller, Göttingen*
- T11-5A** IMPAIRMENT OF COGNITIVE AND BEHAVIOURAL PERFORMANCE AFTER TEMPORARY REELIN KNOCK-DOWN IN THE MPFC OF JUVENILE OR ADULT RATS  
*J. Brosda, M. Koch, Bremen*
- T11-6A** INTRACELLULAR A-BETA CORRELATES WITH NEURON LOSS IN ALZHEIMER'S DISEASE  
*D. Z. Christensen, S. L. Kraus, J. A.-C. Flohr, M.-C. Cotel, O. Wirths, T. A. Bayer, Göttingen*
- T11-7A** GENE EXPRESSION ANALYSIS OF AXONAL OUTGROWTH FACTORS IN A NEONATE MODEL OF PARKINSON'S DISEASE  
*M.-C. Pauly, A. Papazoglou, C. Hackl, T. Piroth, G. Nikkhah, Freiburg*
- T11-8A** DOPAMINE-DEPENDENT DYSKINESIA AFTER GRAFTING OF SEROTONIN NEURONS IN RELATION TO THE PROPORTION OF GRAFTED DOPAMINE CELLS  
*J. Garcia, T. Carlsson, G. Nikkhah, C. Winkler, Freiburg*
- T11-9A** DIAZOXIDE INCREASES THE NUMBER OF MITOCHONDRIA IN NEURITES AND CHANGES MITOCHONDRIAL TRAFFICKING  
*R. Jakob, I. J. Reynolds, Pittsburgh, USA*
- T11-10A** NUCLEATION-DEPENDENT AGGREGATION OF A-BETA IS REQUIRED FOR NEURONAL CELL DEATH  
*M. Schumann, R. Rönicke, K. G. Reymann, Magdeburg*
- T11-11A** DEATH-ASSOCIATED PROTEIN-KINASE IS ACTIVATED IN OXYGEN-GLUCOSE-DEPRIVATION INDUCED CELL DEATH IN ORGANOTYPIC HIPPOCAMPAL SLICE CULTURE  
*C. Klette, M. Straßburger, U. H. Schröder, R. Schneider-Stock, K. G. Reymann, Magdeburg*
- T11-12A** ENHANCED HYPOXIA SENSITIVITY IN HIPPOCAMPAL SLICES FROM A MOUSE MODEL OF RETT SYNDROME  
*M. Fischer, J. Reuter, F. J. Gerich, B. Hildebrandt, S. Hägele, D. Katschinski, M. Müller, Göttingen*
- T11-13A** REPETITIVE SENSORY STIMULATION TRAINING IN STROKE  
*T. Kalisch, H. R. Dinse, J. Bohland, M. Kraemer, E. Freund, E. Beeser, V. Hömberg, K. M. Stephan, Bochum*
- T11-14A** GENE EXPRESSION CHANGES IN BRAIN AND TESTIS OF ATXN3 KO MICE  
*I. Schmitt, H. Khazneh, B. O. Evert, P. Breuer, T. Klockgether, U. Wüllner, Bonn*
- T11-15A** SPECTRALLY RESOLVED RECORDINGS OF THE INTRINSIC OPTICAL SIGNAL IN RAT HIPPOCAMPAL SLICES DURING SEVERE HYPOXIA  
*M. Mané, M. Müller, Göttingen*

- T11-16A** AUTOANTIBODIES AND CIRCULATING IMMUNE COMPLEXES IN THE PLASMA OF ALZHEIMER'S DISEASE PATIENTS  
*A. Marcello, O. Wirths, T. Bayer, Göttingen*
- T11-17A** THE INFLUENCE OF PELLET DENSITY ON THE GRAFT-INDUCED FUNCTIONAL RECOVERY IN A SKILLED PAW-REACHING TEST IN THE RODENT UNILATERAL 6-OHDA PARKINSON'S DISEASE MODEL  
*K. K. Cordeiro, A. Papazoglou, W. Jiang, O. Diaconu, F. Büchele, M. Döbrössy, G. Nikkhah, Freiburg*
- T11-18A** THE TYPE OF AMYLOID B-PROTEIN (AB) GENERATION DETERMINES THE PHENOTYPE OF AB-PATHOLOGY IN DIFFERENT MOUSE MODELS OF ALZHEIMER'S DISEASE  
*D. R. Thal, K.-H. Wiederhold, A. Rijal Upadhaya, D. Abramowski, E. Capetillo-Zarate, H. Yamaguchi, M. Staufenbiel, Ulm*
- T11-19A** L-GLUTAMINE INDUCES APOPTOSIS IN MICROGLIA  
*N. Svoboda, H. H. Kerschbaum, Salzburg, Austria*
- T11-20A** APPLICATION OF PARKINSONIAN TOXINS IN THE MOUSE RETINA  
*G. P. Dietz, F. Nagel, M. Bähr, Valby, Denmark*
- T11-21A** TDP-43 IN ALS, AND FTD, A TOXIC GAIN-OF-FUNCTION?  
*A. Voigt, T. Marquardt, J. B. Schulz, Göttingen*
- T11-22A** ENVIRONMENTAL ENRICHMENT IMPROVES MOTOR ABILITIES BUT FAILS TO RESCUE MEMORY FUNCTIONS AND NEUROGENESIS IN THE APP/PS1KI MOUSE MODEL OF ALZHEIMER'S DISEASE  
*M.-C. Cotel, T. A. Bayer, O. Wirths, Göttingen*

## Friday

- T11-1B** GDAP1, A PROTEIN MUTATED IN HEREDITARY POLY-NEUROPATHY CHARCOT-MARIE-TOOTH DISEASE 4A, PROTECTS FROM OXIDATIVE STRESS  
*R. Noack, S. Frede, A. Methner, Düsseldorf*
- T11-2B** HIPPOCAMPAL BETA-AMYLOID PLAQUES IN TRIPLE TRANSGENIC MICE REVEALED WITH A NOVEL, FLUORESCENT ACETYLCHOLINESTERASE INHIBITOR DELIVERED FROM NANOPARTICLES  
*W. Härtig, J. Kacza, B.-R. Paulke, J. Grosche, A. Hoffmann, P. W. Elsinghorst, M. Gütschow, Leipzig*
- T11-3B** IMPAIRED K<sup>+</sup>-CHANNEL ACTIVITY ATTENUATES CYANIDE-INDUCED HYPERPOLARIZATION OF CA1 PYRAMIDAL NEURONS IN MECP2-DEFICIENT MICE  
*M. Kron, M. Müller, Göttingen*
- T11-4B** MICRO-TRANSPLANTATION APPROACH IN A QUINOLINIC ACID INDUCED RODENT MODEL OF HUNTINGTON'S DISEASE  
*W. Jiang, M. Döbrössy, A. Papazoglou, F. Büchele, G. Nikkhah, Freiburg*



- T11-5B** EPILEPTIC SEIZURE-INDUCED CHANGES IN FEAR BEHAVIOUR AND NEUROPHYSIOLOGICAL ACTIVITY IN AMYGDALOID CIRCUITS  
*J. Lesting, M. Geiger, T. Seidenbecher, H.-C. Pape, Münster*
- T11-6B** GENERATION OF A NEURON-SPECIFIC NONVIRAL GENE TRANSFER SYSTEM *IN VIVO* - A POSSIBLE THERAPEUTICAL APPROACH FOR NEURODEGENERATIVE DISORDERS  
*S. Rohn, T. Arendt, U. Ueberham, Leipzig*
- T11-7B** IMPLICIT MEMORY AND DOPAMINERGIC BASAL GANGLIA PROCESSES: A NEW RAT MODEL  
*M. T. Eckart, M. C. Huelse-Matia, R. S. McDonald, R. K. Schwarting, Marburg*
- T11-8B** VALIDATING THE USE OF BAC-GFP ANIMALS AS TISSUE DONORS IN HD GRAFT STUDIES  
*M. D. Döbrössy, N. Janghra, S. Dunnett, G. Nikkhah, Freiburg*
- T11-9B** EARLY DETECTION OF A BEHAVIORAL PHENOTYPE IN RATS TRANSGENIC FOR HUNTINGTON'S DISEASE  
*K. A. Raber, Y. K. Urbach, M. Stephan, M. Bonin, H. P. Nguyen, S. von Horsten, Erlangen*
- T11-10B** CHARACTERIZATION OF A TRANSGENIC RAT MODEL FOR SPINOCEREBELLAR ATAXIA TYPE 17 USING COMPREHENSIVE CLASSICAL AND AUTOMATED PHENOTYPING  
*Y. K. Urbach, K. A. Raber, L. Haeberle, H. P. Nguyen, O. Riess, H. Graessner, P. Bauer, H. Regus-Leidig, J. H. Brandstatter, S. von Horsten, Erlangen*
- T11-11B** ALTERED PHOSPHORYLATION BUT ABSENCE OF NEURODEGENERATION AND NO SPINE LOSS IN A MOUSE MODEL OF TAU HYPERPHOSPHORYLATION  
*K. Selle, K. Oesterwind, J. Jordan, C. Schultz, L. Lewejohann, N. Sachser, L. Bakota, M. Hundelt, R. Brandt, Osnabrück*
- T11-12B** THE BAG PROTEIN FAMILY: MODULATORS OF HUNTINGTIN TOXICITY, AGGREGATION AND LOCALISATION  
*J. Liman, N. Dust, S. Hoffend, K. Sroka, M. Baehr, P. Kermer, Göttingen*
- T11-13B** CK2 DEPENDENT PHOSPHORYLATION DETERMINES CELLULAR DISTRIBUTION AND TOXICITY OF ATAXIN-3  
*T. Müller, B. O. Evert, P. Breuer, T. Klockgether, U. Wüllner, Bonn*
- T11-14B** PROTEOMICS OF THE STRIATUM, OLFATORY BULB AND SUBSTANTIA NIGRA OF 6-OHDA HEMI-LESIONED RATS  
*G. Lessner, S. J.-P. Haas, A. Wree, M. Kreutzer, S. Mikkat, M. Glocker, O. Schmitt, Rostock*
- T11-15B** MEMBRANE LIPID MODIFICATION BY PUFAS PROMOTES ALPHA-SYNUCLEIN AGGREGATE FORMATION AFTER OXIDATIVE STRESS IN OLN OLIGODENDROGLIAL CELLS  
*M. Riedel, M. Wille, C. Richter-Landsberg, Oldenburg*

- T11-16B** NUCLEAR AGGREGATION OF POLYGLUTAMINE-EXPANDED ATAXIN 3: TOXIC FRAGMENTS ESCAPE THE CYTOPLASMIC QUALITY CONTROL  
*P. Breuer, B. O. Evert, I. Schmidt, U. Wüllner, Bonn*
- T11-17B** A *DROSOPHILA* MODEL FOR PARKINSONISM  
*W. Jacob, S. Pütz, B. Hovemann, R. Heumann, Bochum*
- T11-18B** THE ROLE OF MICROGLIAL CPEB PROTEINS IN TEMPORAL LOBE EPILEPSY (TLE)  
*L. Kaczmarczyk, S. Turimella, V. Vangoor, P. Wunderlich, G. Seifert, J. Walter, C. Steinhäuser, M. Theis, Bonn*
- T11-19B** SUMMARY OF ELECTROPHYSIOLOGICAL AND NEUROBEHAVIOURAL EXPERIMENTS MADE WITH 3-NITROPROPIONIC ACID ON RATS, CARRIED OUT IN OUR LABORATORY  
*A. Szabó, A. Lukács, A. Papp, Szeged, Hungary*
- T11-20B** ALTERATIONS IN THE DOPAMINERGIC SYSTEM OF MICE WITH AN ALPHA SYNUCLEIN A30P POINT-MUTATION IN THE ENDOGENOUS GENOMIC LOCUS  
*F. Nagel, M. Plaas, E. Vasar, S. Koks, E. Kramer, Hamburg*
- T11-21B** HIGH-FREQUENCY STIMULATION OF SUBTHALAMIC NUCLEUS SILENCES EXCITATORY SYNAPTIC TRANSMISSION ONTO DOPAMINERGIC NEURONS IN THE SUBSTANTIA NIGRA PARS COMPACTA  
*K. Lammert, F. Steigerwald, B. E. Nixdorf-Bergweiler, J. Volkmann, C. Alzheimer, F. Zheng, Kiel*

## Saturday

- T11-1C** DEVELOPMENT OF ANTI-HLA ANTIBODIES AFTER INTRASTRIATAL TRANSPLANTATION OF HUMAN NEURONAL FOETAL CELLS IN HUNTINGTON DISEASE PATIENTS  
*S. Krebs, T. Piroth, T. Omer, G. Nikkhah, Freiburg*
- T11-2C** ATAXIN-3 INTERACTING TRANSCRIPTION FACTORS AND IMPLICATIONS FOR DISEASE PATHOGENESIS  
*J. P. Araújo, T. Klockgether, U. Wüllner, B. O. Evert, Bonn*
- T11-3C** ON THE INTEGRATION OF PARAHIPPOCAMPAL NETWORKS IN EPILEPTIFORM ACTIVITY  
*U. P. Froriep, U. Häussler, C. Böhm, C. A. Haas, U. Egert, Freiburg*
- T11-4C** ALTERED SYNAPTIC PLASTICITY IN DORSOMEDIAL STRIATUM AFTER STATUS EPILEPTICUS  
*J. Avshalomov, T. Kirschstein, R. Köhling, Rostock*
- T11-5C** GENE THERAPY TOOLS TARGETING THE CENTRAL NERVOUS SYSTEM BY VIRAL GENE TRANSFER  
*P. Glöckner, J. Uney, T. Arendt, U. Ueberham, Leipzig*
- T11-6C** TWO-STREP GRAFTING - A NEW METHOD TO ENHANCE CELL SURVIVAL AND STUDY GRAFT DEVELOPMENT IN A RAT MODEL OF PARKINSON'S DISEASE  
*A. Papazoglou, F. Buechele, W. Jiang, G. Nikkhah, Freiburg*



- T11-7C** POTENTIAL ROLE OF THE TRANSCRIPTIONAL CO-ACTIVATOR PGC-1-ALPHA; IN AMYOTROPHIC LATERAL SCLEROSIS (ALS) - MRNA AND PROTEIN EXPRESSION STUDIES IN POST MORTEM TISSUE OF ALS PATIENTS AND IN THE G93A TRANSGENIC ALS MOUSE MODEL  
*S. Petri, A. Sarlette, K. Krampfl, R. Dengler, Hannover*
- T11-8C** PKG INHIBITION PROTECTS PHOTORECEPTORS IN TWO MOUSE MODELS FOR RETINITIS PIGMENTOSA  
*F. Paquet-Durand, S. Hauck, T. van Veen, M. Ueffing, P. Ekström, Tübingen*
- T11-9C** MUSCARINIC MODULATION OF SYNAPTIC TRANSMISSION AND SPONTANEOUS ACTIVITY IN AREA CA1 OF HIPPOCAMPAL SLICES FROM CA<sub>v</sub>2.3-DEFICIENT MICE, LACKING E-/R-TYPE VOLTAGE-GATED CA<sup>2+</sup> CHANNELS, AND CONTROL ANIMALS  
*H. C. Scheiblich, R. Müller, A. Brockhaus-Dumke, J. Hescheler, M. Weiergräber, T. Schneider, P. Igelmund, Köln*
- T11-10C** SPINOCEREBELLAR ATAXIA 2: CELLULAR AND MOLECULAR ACTION OF ATAXIN-2  
*C. Schob, S. Kindler, Hamburg*
- T11-11C** THE POTENTIAL OF AMINOGLYCOSIDE MEDIATED GENE BASED THERAPY OF USHER SYNDROME 1C IN THE RETINA  
*T. Goldmann, A. Rebibo-Sabbah, N. Overlack, I. Nudelman, V. Belakhov, T. Baasov, T. Ben-Yosef, U. Wolfrum, K. Nagel-Wolfrum, Mainz*
- T11-12C** COMPARATIVE ANALYSIS OF THE INFLUENCE OF REFSUM DISEASE-ASSOCIATED BRANCHED CHAIN FATTY ACIDS, PRISTANIC ACID AND PHYTANIC ACID, ON CELL PHYSIOLOGY IN NEURAL CELLS IN CULTURE  
*S. Rönicke, S. Kahlert, G. Reiser, Magdeburg*
- T11-13C** ROLE OF CPEBS IN DEVELOPMENT AND PROGRESSION OF TEMPORAL LOBE EPILEPSY  
*M. Theis, P. Bedner, K. Hüttmann, V. Vangoor, S. Paßlick, L. Kaczmarczyk, E. Kandel, C. Steinhäuser, Bonn*
- T11-14C** JNK PROTEINS AT ADULT RAT BRAIN MITOCHONDRIA: DYNAMIC CHANGES OF ISOFORM PRESENCE AND ACTIVITY FOLLOWING ISCHEMIA  
*T. Herdegen, Y. Zhao, R. Boehm, Kiel*
- T11-15C** PREVENTION OF NON-NATIVE DISULPHIDE BRIDGES FORMATION IN TAU PROTEIN WITHOUT THE USE OF REDUCING AGENT  
*G. Krajciová, R. Skrabana, P. Filipčík, M. Novák, Bratislava, Slovakia*
- T11-16C** BAG1 MEDIATED NEUROPROTECTION IN *IN VIVO* AND *IN VITRO* MODELS OF PARKINSON'S DISEASE  
*C. P. Dohm, A. Baumann, M. Schnieder, J. Liman, J. C. Reed, M. Bähr, P. Kermer, Göttingen*



- T11-17C** MOLECULAR PATHOLOGY OF THE MOTONEURON DISEASE SPINAL MUSCULAR ATROPHY  
*A. Nölle, J. van Bergeijk, P. Claus, Hannover*
- T11-18C** PHARMACOLOGICAL MODIFICATION OF ATP-DEPENDENT MICROGLIAL ACTIVATION IN THE DISEASE MODEL OF ALS  
*J. Zschüntzsch, S. Hülsmann, C. Schnell, P. Dibaj, C. Neusch, Göttingen*
- T11-19C** SELECTIVE DRUG RESISTANCE IN IMMATURE RAT TEMPORAL CORTEX  
*A. Wahab, K. Albus, U. Heinemann, Berlin*
- T11-20C** INNATE-ADAPTIVE IMMUNE CROSS-TALK IN A MOUSE MODEL OF PARKINSON'S DISEASE  
*C. Depboylu, J.-P. Ghobril, G. Höglinger, Marburg*
- T11-21C** PERINEURONAL NETS ARE LARGELY UNAFFECTED IN ALZHEIMER MODEL TG2576 MICE  
*M. Morawski, S. Pavlica, G. Seeger, J. Grosche, E. Kouznetsova, R. Schliebs, G. Brückner, T. Arendt, Leipzig*
- T11-22C** BIOCHEMICAL AND GENETIC ANALYSIS OF PARKINSONS DISEASE-ASSOCIATED PROTEINS, MOLECULAR TRANSPORTERS, AND STRESS RESPONSE PROTEINS IN *C. ELEGANS* MODELS OF MANGANISM  
*R. Nass, J. Levora, R. Settivari, Indianapolis, IN, USA*

## T12: Neuroimmunology, inflammation and neuroprotection

### Thursday

- T12-1A** TEMPORAL EXPRESSION OF MARKERS FOR REVASCU-LARIZATION IN THE INJURED RAT SPINAL CORD  
*M.-F. Ritz, B. Gutierrez, O. Hausmann, U. Graumann, Basel, Switzerland*
- T12-2A** ISCHEMIC PRECONDITIONING ATTENUATES MITO-CHONDRIAL APOPTOSIS INDUCED BY GLOBAL BRAIN ISCHEMIA  
*P. Racay, M. Chomova, Z. Tatarkova, P. Kaplan, J. Hatok, D. Dobrota, Martin, Slovakia*
- T12-3A** EXPRESSION OF TWO-PORE DOMAIN POTASSIUM CHANNEL TASK2 IS ALTERED IN T LYMPHOCTE SUBSETS OF MULTIPLE SCLEROSIS PATIENTS  
*S. Bittner, A. M. Herrmann, M.-P. Stenner, K. Göbel, P. Meuth, T. Budde, H. Wiendl, S. G. Meuth, Würzburg*
- T12-4A** NEUROPROTECTIVE EFFECTS OF THE SURVIVAL PROMOTING PEPTIDE Y-P30  
*J. Schneeberg, M. Riek-Burchardt, H. Braun, P. Landgraf, M. R. Kreuz, K. G. Reymann, Magdeburg*



- T12-5A** NOVEL LIGANDS OF THE MITOCHONDRIAL TRANSLOCATOR PROTEIN (TSPO) AS NEUROPROTECTIVE AGENTS  
*J. A. Veenman, I. Maniv, A. Shterenberg, E. Levin, S. Leschiner, E. Hadad-Tsoglin, B. Dutta, I. Marek, M. Gavish, Bat Galim, Israel*
- T12-6A** RETINOIC ACID AFFECTS THE EXPRESSION OF THE PRO-INFLAMMATORY CYTOKINE IL-1BETA IN ASTROCYTE PRIMARY CULTURES  
*P. J. Imholz, S. van Neerven, T. Regen, U.-K. Hanisch, J. Mey, Aachen*
- T12-7A** CD8+ LYMPHOCYTE-MEDIATED INJURY OF CNS NEURONS: RELEVANCE OF GRANZYME B AND PERFORIN FOR ACUTE ELECTROPHYSIOLOGICAL CONSEQUENCES AND LONG-TERM NEUROTOXICITY  
*O. J. Simon, S. G. Meuth, A. M. Herrmann, S. Bittner, P. Friedl, T. Budde, T. Hünig, M. Heckmann, H. Wiendl, Würzburg*
- T12-8A** A NOVO SPECIFIC 5-HT<sub>2B</sub>-RECEPTORANTAGONIST FOR THE PROPHYLACTIC TREATMENT OF MIGRAINE  
*D. Segelcke, M. Andriske, X. Zhu, B. Schmitz, A. Popp, F. Paris, H. Lübbert, Bochum*
- T12-9A** COLLATERAL DAMAGE OF CNS NEURONS DURING AN ACUTE OLIGODENDROCYTE-DIRECTED ATTACK BY CD8+ AND CD4+ T CELLS  
*K. Göbel, N. Melzer, A. Herrmann, C. W. Ip, T. Hünig, S. G. Meuth, H. Wiendl, Würzburg*

## Friday

- T12-1B** HUNTINGTON'S DISEASE RELATED MITOCHONDRIAL TOXINS AFFECT THE IMMUNOLOGICAL PROFILE OF MICROGLIAL CELLS TOWARDS A REDUCED ALTERNATIVE ACTIVATION  
*A. I. Ferger, I. Merdian, A. C. Ludolph, A. Witting, Ulm*
- T12-2B** RETINOIC ACID REDUCES INFLAMMATORY CHEMOKINE PRODUCTION BY ASTROCYTES *IN VITRO*  
*J. Mey, S. van Neerven, T. Regen, U.-K. Hanisch, Aachen*
- T12-3B** A NOVEL CLASS OF IMMUNOSUPPRESSIVE COMPOUNDS AMELIORATES EXPERIMENTAL AUTOIMMUNE NEURITIS  
*G. Meyer zu Hörste, A. Mausberg, B. Wolff, T. Males, H.-P. Hartung, C. Korth, B. C. Kieseier, Düsseldorf*
- T12-4B** IS THE VOLTAGE-DEPENDENT ANION CHANNEL 1 (VDAC-1) INVOLVED IN HA-RAS-MEDIATED NEURONAL PROTECTION?  
*S. Neumann, Kuteykin-Teplyakov, R. Heumann, Bochum*
- T12-5B** SPECIFIC KNOCK-DOWN OF RHOA, ROCK2 AND LIMK1 PROMOTES NEURITE OUTGROWTH AND AXONAL REGENERATION  
*J. C. Koch, U. Michel, J. Knöferle, L. Tönges, M. Bähr, P. Lingor, Göttingen*

- T12-6B** ANTI-INFLAMMATORY BUT NO NEUROPROTECTIVE EFFECT OF ADJUVANT GLYCEROL IN EXPERIMENTAL MENINGITIS  
*C. Blaser, A. Buehlmann, K. Oberson, S. Leib, Bern, Switzerland*
- T12-7B** ALTERED CYTOKINE EXPRESSION PATTERNS IN PATIENTS WITH CHRONIC MUSCULOSKELETAL PAIN  
*S. Hahnenkamp, N. Üçeyler, C. Sommer, Würzburg*
- T12-8B** PRO-INFLAMMATORY CYTOKINE EXPRESSION FOLLOWING TRANSIENT RETINAL ISCHEMIA/REPERFUSION IN THE RAT EYE. MODULATION BY SIMVASTATIN  
*F. Walther, C. Schmeer, O. W. Witte, S. Isenmann, Jena*
- T12-9B** MS-LIKE CEREBRAL INFLAMMATORY PATHOLOGY IN MICE: A NEW EXPERIMENTAL MODEL IN MS RESEARCH  
*A. Escher, S. Nessler, P. Vollmar, D. Merkler, S. Boretius, W. Brück, C. Stadelmann, Göttingen*
- T12-10B** NEURO- AND GLIOTOXICITY OF ENGINEERED NANOPARTICLES  
*S. Bastian, M. Iwe, R. Holke, T. Meißner, V. Richter, A. Potthoff, A. Springer, M. Gelinsky, W. Pompe, H. Ikonomidou, Dresden*

## Saturday

- T12-1C** STATUS EPILEPTICUS: EXPRESSION OF MATRIX METALLO-PROTEINASES MMP-9 AND MMP-2 IN THE DEVELOPING RAT BRAIN  
*Y. Hoehna, O. Uckermann, M. Habel, T. Górkiewicz, M. Gawlak, G. M. Wilczynski, L. Kaczmarek, C. Ikonomidou, Dresden*
- T12-2C** TOLL-LIKE RECEPTOR 4/MYD88 PATHWAY MEDIATES THE MICROGLIAL PROINFLAMMATORY RESPONSE TO THROMBIN-ASSOCIATED PLASMA-DERIVED PROTEIN COMPLEXES  
*J. Scheffel, D. van Rossum, J. R. Weinstein, H. Dihazi, T. Regen, J. Kopatz, W. Brück, H. Kettenmann, M. Prinz, T. Möller, U.-K. Hanisch, Göttingen*
- T12-3C** DELAYED ERYTHROPOIETIN ADMINISTRATION PROMOTES NEURONAL SURVIVAL AND AXONAL SPROUTING WITH AN INCREASE IN THE MOTOR RECOVERY AFTER MILD FOCAL CEREBRAL ISCHEMIA IN MICE  
*R. Vig, Ü. Kilic, E. Kilic, M. Gassman, D. M. Hermann, Essen*
- T12-4C** Y-P30 OR HOW DOES THE MATERNAL IMMUNE SYSTEM PARTICIPATE IN BUILDING UP THE EMBRYONIC BRAIN?  
*C. Michel, P. Landgraf, A. C. Zenclussen, P. Wahle, M. R. Kreutz, Magdeburg*
- T12-5C** INCREASED INWARDLY RECTIFYING POTASSIUM CONDUCTANCE AND KIR2 CHANNEL EXPRESSION IN DENTATE GYRUS GRANULE CELLS IN TEMPORAL LOBE EPILEPSY  
*M. Stegen, C. C. Young, M. Müller, R. W. Veh, J. Bischofberger, C. A. Haas, J. Wolfart, Freiburg*



- T12-6C** INCREASED LEAK CONDUCTANCE IN DENTATE GYRUS GRANULE CELLS OF TEMPORAL LOBE EPILEPSY PATIENTS WITH AMMON'S HORN SCLEROSIS  
*C. C. Young, M. Stegen, C. A. Haas, J. Zentner, J. Wolfart, Freiburg*
- T12-7C** SUSTAINED OLIGODENDROGLIAL RECRUITMENT AFTER REPETITIVE CORTICAL INFLAMMATORY DEMYELINATION  
*E. Gareia Rodriguez, M. Kreuzfeldt, W. Brück, C. Stadelmann, D. Merkler, Göttingen*
- T12-8C** CEREBRAL PEROXISOME PROLIFERATOR-ACTIVATED RECEPTORS GAMMA (PPAR-GAMMA) AND THE REGULATION OF INTERLEUKIN-1-BETA AND INTERLEUKIN-1 RECEPTOR ANTAGONIST EXPRESSION AFTER FOCAL CEREBRAL ISCHEMIA IN RATS  
*J. Culman, T. Glatz, I. Stöck, P. Gohlke, T. Herdegen, Y. Zhao, Kiel*
- T12-9C** ROLE OF DIFFERENT CTL-EFFECTOR MOLECULES IN DAMAGING THE NEURO-AXONAL UNIT IN VIVO  
*M. Kreuzfeldt, D. Merkler, Göttingen*
- T12-10C** AGEING EFFECT OF TREM2 EXPRESSION AFTER MCAO IN MICE  
*M. W. Sieber, R. Zuender, R. A. Claus, O. W. Witte, C. Frahm, Jena*

## T13: Cognitive, emotional, behavioral state disorders and addiction

### Thursday

- T13-1A** HEMISPHERIC DIFFERENCES, DIURNAL AND STRESS-INDUCED CHANGES IN THE MORPHOLOGY OF PYRAMIDAL NEURONS IN THE RAT PRELIMBIC CORTEX  
*G. Flügge, C. Perez-Cruz, B. Czeh, M. Simon, E. Fuchs, Göttingen*
- T13-2A** CHRONIC RESTRAINT STRESS IMPAIRS ENDOCANNABINOID MEDIATED SUPPRESSION OF GABA RELEASE IN THE HIPPOCAMPUS OF RAT  
*W. Hu, M. Zhang, B. Czeh, W. Zhang, G. Flügge, Göttingen*
- T13-3A** ACTIVITIES OF THE INTRACELLULAR SIGNALING PROTEIN RAS IN DIFFERENTIATED NEURONS CORRELATE WITH ANTIDEPRESSANT-LIKE BEHAVIOR IN MICE  
*O. Leske, Z. Bichler, R. Heumann, Bochum*
- T13-4A** DIFFERENTIAL EFFECTS OF LESIONS OF THE ANTERIOR CINGULATE CORTEX OR LESIONS OF THE ORBITO-FRONTAL CORTEX ON EXTINCTION, SPONTANEOUS RECOVERY AND REINSTATEMENT OF AN AVOIDANCE RESPONSE  
*M. I. Noblejas, W. Wetzel, F. W. Ohl, Magdeburg*

- T13-5A** AMPA RECEPTOR SUBUNIT 1 (GLUR-A) KNOCKOUT MICE MODEL THE GLUTAMATE HYPOTHESIS OF DEPRESSION  
M. A. Vogt, S. Chourbaji, F. Fumagalli, R. Sohr, A. Frasca, C. Brandwein, H. Hörtnagl, M. A. Riva, R. Sprengel, P. Gass, Mannheim
- T13-6A** BEHAVIOURAL AND METABOLIC EFFECTS OF CHRONIC CANNABIDIOL AND [3-(3-CARBAMOYLPHENYL)PHENYL] N-CYCLOHEXYLCARBAMATE (URB 597) ADMINISTRATION IN ADULT LISTER HOODED RATS (*RATTUS NORVEGICUS*)  
C. Jöpen, F. Pahlisch, H. Endepols, F. M. Leweke, Köln
- T13-7A** EXTRACELLULAR CORTICAL SEROTONIN AND DEPRESSION-RELATED BEHAVIOUR IN THE FORCED SWIM TEST ARE INFLUENCED BY INTERLEUKIN-2  
B. D. Karrenbauer, C. C. Müller, R. K. Schwarting, R. Spanagel, J. P. Huston, C. R. Pawlak, Marburg

### Friday

- T13-1B** INITIAL SENSITIVITY TO COCAINE'S STIMULANT EFFECTS PREDICTS DISTINCT PEPTIDE CHANGES IN THE MEDIAL PREFRONTAL CORTEX  
E. V. Romanova, J. J. Stanis, J. E. Lee, N. L. Kelleher, J. M. Gulley, J. V. Sweedler, Urbana, USA
- T13-2B** MEASURING BASAL AND COMPLEX BEHAVIORS OF RATS IN AUTOMATED SOCIAL HOME CAGE SYSTEMS USING INTELLICAGE FOR RAT TECHNOLOGY  
T. Appl, E. Vannoni, F. Buschmann, Y. Urbach, K. Raber, H.-P. Lipp, S. von Hörsten, Erlangen
- T13-3B** RESPONSE-CONTINGENT CHANGES IN DOPAMINE D<sub>1</sub> RECEPTORS IN THE RAT PREFRONTAL CORTEX DURING COCAINE SELF-ADMINISTRATION AND ITS WITHDRAWAL  
M. Filip, P. Adamczyk, L. Antkiewicz-Michaluk, E. Przegalinski, Krakow, Poland
- T13-4B** ALTERED AFFECTIVE BEHAVIOR IN A MODEL OF MULTIPLE SCLEROSIS: IMPACT OF NEUROTROPHIC FACTORS  
I. Peruga, G. Juckel, R. Gold, R. A. Linker, Bochum
- T13-5B** ADULT FEMALE WISTAR RATS DERIVED FROM THREE DIFFERENT BREEDERS VARY IN BEHAVIOR AND EPILEPTOGENESIS IN THE KINDLING MODEL OF TEMPORAL LOBE EPILEPSY  
C. Lindemann, K. Töllner, M. Gernert, Hannover
- T13-6B** LITHIUM MODIFIES THE ARCHITECTURE OF THE DENTATE GYRUS BY AFFECTING CAJAL-RETZIUS CELLS IN HIPPOCAMPAL SLICE CULTURES  
J. Jarowyj, M. Frotscher, E. Förster, Freiburg
- T13-7B** COGNITIVE FUNCTION AND EMOTIONAL BEHAVIOUR IN THE RAT 6-HYDROXYDOPAMINE PARKINSON MODEL  
A. Bove, S. Winter, J. K. Krauss, K. Schwabe, Hannover



- T13-1C** INVOLVEMENT OF THE ENDOCANNABINOID SYSTEM IN DIFFERENCES IN EMOTIONAL BEHAVIOR AND REWARD SENSITIVITY IN THREE DIFFERENT RAT STRAINS  
*T. Brand, R. Spanagel, M. Schneider, Mannheim*
- T13-2C** NEUROSCIENCES, ETHICS, AND SOCIETY  
*S. K. Nagel, Osnabrück*
- T13-3C** INDIVIDUAL ANXIETY-LIKE TRAIT BEHAVIOUR AFFECTS SOCIAL INTERACTION BEHAVIOUR IN ADULT RATS  
*P. Schneider, Mannheim*
- T13-4C** BEHAVIOURAL AND NEUROBIOLOGICAL CHANGES IN REWARD SENSITIVITY WHILE PUBERTAL DEVELOPMENT IN RATS  
*C. M. Friemel, R. Spanagel, M. Schneider, Mannheim*
- T13-5C** METHYLPHENIDATE TREATMENT AND STRESS DIFFERENTIALLY MODIFY GENE EXPRESSION OF IMMEDIATE EARLY GENES IN THE DAT KNOCKOUT MOUSE, A MOUSE MODEL FOR ADHD  
*A. G. Schmitt, F. S. Hall, M. T. Perona, G. Ortega, M. Hofmann, C. Gagel, I. Sora, G. R. Uhl, K.-P. Lesch, M. Gerlach, E. Grünblatt, Würzburg*
- T13-6C** PROTEOMIC APPROACH TO SYNAPSE PROTEINS PUTATIVELY INVOLVED IN THE SYNAPTIC PATHOLOGY OF SCHIZOPHRENIA  
*K.-H. Smalla, M. Mikhaylova, J. Sahin, H.-G. Bernstein, B. Bogerts, A. Schmitt, R. van der Schors, A. B. Smit, K. W. Li, E. D. Gundelfinger, M. R. Kreutz, Magdeburg*
- T13-7C** EFFECTS OF CHRONIC CANNABIDIOL AND [3-(3-CARBAMOYLPHENYL)PHENYL] N-CYCLOHEXYLCARBAMATE (URB 597) ADMINISTRATION IN ADULT LISTER HOODED RATS (*RATTUS NORVEGICUS*) ON ENDOCANNABINOIDS AND RELATED LIPIDS IN DIFFERENT BRAIN REGIONS  
*F. Pahlisch, C. Jöpen, H. Endepols, F. M. Leweke, Köln*

## T14: Vision: invertebrates

### Thursday

- T14-1A** DO DESCENDING NEURONS OF THE LOCUST *SCHISTOCERCA GREGARIA* RESPOND TO POLARIZED LIGHT?  
*U. Träger, U. Homberg, Marburg*
- T14-2A** ENHANCED SENSITIVITY TO STIMULUS DISCONTINUITIES BY ADAPTATION OF A FLY VISUAL MOTION-SENSITIVE NEURON  
*R. Kurtz, H. G. Meyer, M. Egelhaaf, R. Kern, Bielefeld*
- T14-3A** TESTING IMAGE MATCHING IN HONEYBEES USING COMPUTER SIMULATIONS OF LANDMARK MANIPULATION EXPERIMENTS  
*W. Stürzl, L. Dittmar, N. Boeddeker, M. Egelhaaf, Bielefeld*

- T14-4A** REPRESENTATION OF OBJECT MOTION BY TANGENTIAL CELLS OF BLOWFLY  
*P. Liang, J. Heitwerth, R. Kern, M. Egelhaaf, Bielefeld*
- T14-5A** TRANSFORMATION OF RECEPTIVE FIELD STRUCTURE AND OCULAR DOMINANCE BETWEEN DIFFERENT STAGES OF THE POLARIZATION VISION PATHWAY IN THE BRAIN OF THE LOCUST  
*B. el Jundi, S. Heinze, K. Pfeiffer, U. Homberg, Marburg*
- T14-6A** DENDRITIC INTEGRATION OF LOCAL MOTION SIGNALS IN MOTION-SENSITIVE NEURONS OF THE FLY  
*C. Spalthoff, R. Kurtz, Bielefeld*
- T14-7A** EXPLORING LANDMARK CUES IN HONEYBEE NAVIGATION  
*L. Dittmar, W. Stürzl, N. Boeddeker, M. Egelhaaf, Bielefeld*
- T14-8A** SYNCHRONIZATION OF THE WING BEAT CYCLE OF THE DESERT LOCUST *SCHISTOCERCA GREGARIA* BY PERIODIC LIGHT FLASHES  
*F. Schmeling, U. Homberg, G. Stange, Marburg*
- T14-9A** HOW THE STRUCTURE OF HOMING BEHAVIOUR SHAPES THE RESPONSES OF MOTION SENSITIVE NEURONS IN HONEYBEES  
*N. Böddeker, L. Dittmar, W. Stürzl, M. Egelhaaf, Bielefeld*
- T14-10A** SYNAPTIC PLASTICITY IN VISUAL PATHWAYS IN THE BRAIN OF THE DESERT ANT *CATAGLYPHIS FORTIS*  
*S. M. Stieb, T. S. Muenz, R. Wehner, W. Rössler, Würzburg*

## Friday

- T14-1B** LOCAL AND GLOBAL VISUAL MOTION SENSITIVITY IN TWO DESCENDING NEURONS OF THE FLY  
*A. Wertz, J. Plett, J. Haag, A. Borst, Martinsried*
- T14-2B** HS-CELLS IN THE VISUAL SYSTEM OF *DROSOPHILA MELANOGASTER* RESPOND SELECTIVELY TO LARGE-FIELD HORIZONTAL MOTION CONVEYED VIA THE L1 AND L2 LAMINA PATHWAYS  
*B. Schnell, S. V. Raghu, A. Borst, D. F. Reiff, Martinsried*
- T14-3B** DIFFERENT RECEPTIVE FIELDS IN AXON TERMINALS AND DENDRITES UNDERLIE ROBUST POPULATION CODING IN BLOWFLY VISUAL INTERNEURONS  
*Y. M. Elyada, J. Haag, A. Borst, Martinsried*
- T14-4B** RELATING NEURONAL TO BEHAVIOURAL PERFORMANCE: VARIABILITY OF OPTOMOTOR RESPONSES IN THE BLOWFLY  
*R. Rosner, A.-K. Warzecha, Bielefeld*
- T14-5B** A COMPARATIVE STUDY OF DIPTERAN FLIGHT STYLES AND THEIR IMPACT ON VISION  
*B. R. Geurten, E. Braun, R. Kern, M. Egelhaaf, Bielefeld*



- T14-6B** BEHAVIOURAL DISAMBIGUATION OF THE RESPONSES OF MOTION SENSITIVE NEURONS  
*J. P. Lindemann, P. Liang, M. Egelhaaf, Bielefeld*
- T14-7B** MULTIMODAL SENSORY INTEGRATION IN A FLY MOTONEURON  
*J. Haag, A. Wertz, A. Borst, Martinsried*
- T14-8B** LIGHT DEPENDENT TRANSLOCATION OF THE *DROSOPHILA* TRPL ION CHANNEL TO AN INTRACELLULAR STORAGE COMPARTMENT IS ACCOMPLISHED BY VESICULAR TRANSPORT  
*C. Oberegelsbacher, A. Huber, Stuttgart*
- T14-9B** WHEN EYES ARE DIMMED: GENETIC CONVERSION OF *DROSOPHILA* PHOTORECEPTOR SYNAPTIC TERMINALS TO NEUROENDOCRINE TERMINALS  
*I. A. Meinertzhagen, Y. Hamanaka, D. Park, P. H. Taghert, Halifax, Canada*
- T14-10B** PLASTICITY OF THE INTRINSIC VISUO-MOTOR REPRESENTATION FOR FLIGHT IN *DROSOPHILA*  
*F. O. Lehmann, T. Hesselberg, N. Heymann, Ulm*

## Saturday

- T14-1C** STARING AT THE SUN - OUTDOOR PERFORMANCE OF BLOWFLY PHOTORECEPTORS  
*A.-K. Warzecha, J. Grewe, M. Weckström, M. Egelhaaf, Bielefeld*
- T14-2C** SEGMENTATION OF HONEYBEE FLIGHT TRAJECTORIES INTO PROTOTYPICAL MOVEMENTS FOR ANALYSING NAVIGATION BEHAVIOUR  
*E. Braun, L. Dittmar, B. Geurten, M. Egelhaaf, Bielefeld*
- T14-3C** CONVERGENCE OF COMPOUND EYE AND OCELLAR SIGNALS IN LOBULA PLATE TANGENTIAL CELLS OF THE BLOWFLY, *CALLIPHORA VICINA*  
*M. M. Parsons, H. G. Krapp, S. B. Laughlin, Cambridge, United Kingdom*
- T14-4C** MODULATION OF VISUAL INFORMATION PROCESSING IN BLOWFLY LOBULA PLATE TANGENTIAL CELLS BY AN OCTOPAMINE AGONIST  
*K. D. Longden, H. G. Krapp, London, United Kingdom*
- T14-5C** ANALYSIS OF THE VISUAL MOTION DETECTION PATHWAY IN *DROSOPHILA* WITH RICINA INDUCED CELL ABLATION  
*A. Attinger, J. Shi, D. Reiff, A. Borst, S. N. Fry, Zürich, Switzerland*
- T14-6C** EFFECTS OF ACTIVE HEAD MOVEMENT ON NEAR-RANGE TACTILE SENSING AND FAR-RANGE VISION  
*V. Dürr, J. M. Ache, A. F. Krause, Köln*
- T14-7C** NEW EYES ON VISUAL HABITUATION IN LOCUST: AN EXPERIMENT DESCRIPTION LANGUAGE FOR INTEGRATIVE NEUROSCIENCE  
*T. A. Nielsen, H. Nilsson, T. Matheson, Leicester, United Kingdom*



- T14-8C** A ROBOTIC PLATFORM TO STUDY CLOSED-LOOP OPTOMOTOR CONTROL IN THE BLOWFLY  
*N. Ejaz, K. Peterson, H. G. Krapp, London, United Kingdom*
- T14-9C** REVERSE ENGINEERING SPEED CONTROL IN THE FRUIT FLY *DROSOPHILA MELANOGASTER*  
*V. Medici, S. N. Fry, Zürich, Switzerland*

## T15: Vision: retina and subcortical pathways

### Thursday

- T15-1A** ERG RECORDINGS IN TWO PHYLLOSTOMID BATS, *GLOSSOPHAGA SORICINA* AND *CAROLLIA PERSPICILLATA*: LIGHT ADAPTATION AND ACTION SPECTRA  
*B. Müller, G. Knop, L. Peichl, J. Ammermüller, Frankfurt/M.*
- T15-2A** EFFECTS OF PRESYNAPTIC MUTATIONS ON A POSTSYNAPTIC CACNA1S CALCIUM CHANNEL CO-LOCALIZED WITH MGLUR6 AT MOUSE PHOTORECEPTOR RIBBON SYNAPSES  
*S. tom Dieck, M. Maw, J. H. Brandstätter, D. Specht, Frankfurt*
- T15-3A** EPITHELIAL SODIUM CHANNELS (ENACS) IN THE RETINA AND THEIR POSSIBLE INVOLVEMENT IN THE PATHOGENESIS OF GLAUCOMA  
*C. Schlegel, C. Schön, B. Krüger, R. Enz, J. H. Brandstätter, Erlangen*
- T15-4A** A NOVEL TYPE OF INTERPLEXIFORM AMACRINE CELL IN THE MOUSE RETINA  
*K. Dedek, T. Breuninger, L. Pérez de Sevilla Müller, S. Maxeiner, K. Willecke, T. Euler, R. Weiler, Oldenburg*
- T15-5A** PERICENTRIN, A CENTROSOMAL PROTEIN, IDENTIFIED AT THE BASAL-BODY COMPLEX IN MAMMALIAN PHOTORECEPTOR CELLS  
*A. Giebl, J. H. Brandstätter, Erlangen*
- T15-6A** MUNC13 KNOCK-IN MICE DEFINE SEGREGATED NEUROTRANSMITTER RELEASE SITES IN THE RETINA  
*M. Hemmerlein, F. Varoqueaux, B. Cooper, N. Brose, J. H. Brandstätter, Erlangen*
- T15-7A** A SPECIAL KIND OF REFLECTING LAYER: THE *TAPETUM LUCIDUM* OF THE ELEPHANT NOSE FISH (*GNATHONEMUS PETERSII*)  
*J. Gentsch, E. Ulbricht, F. Makarov, J. Grosche, A. Reichenbach, M. Francke, Leipzig*
- T15-8A** PROTOCADHERIN BETA 16 AT AMPA AND KAINATE RECEPTOR CONTAINING SYNAPSES OF SPECIFIC NEURONS IN THE OUTER PLEXIFORM LAYER OF ADULT PRIMATE RETINA  
*C. Puller, S. Haverkamp, Frankfurt/M.*



- T15-9A** HORIZONTAL CELL SPROUTING AND THE FORMATION OF ECTOPIC SYNAPSES IN THE OUTER RETINA OF MUTANT MICE LACKING FUNCTIONAL RODS AND CONES  
*S. Haverkamp, I. Spiwoks-Becker, S. Michalakis, M. Biel, Frankfurt/M.*
- T15-10A** ELECTROPHYSIOLOGICAL CHARACTERIZATION OF THE NEURONS IN THE TECTUM OPTICUM OF THE GOLDFISH REGARDING „COLOR“ AND „MOTION“  
*M. Gruber, K. Behrend, C. Neumeyer, Mainz*
- T15-11A** PRESYNAPTIC CYTOMATRIX PROTEINS AT THE PHOTO-RECEPTOR RIBBON SYNAPSE  
*D. Specht, J. Atorf, J. Kremers, T. Ohtsuka, M. Maw, J. H. Brandstätter, S. tom Dieck, Frankfurt/M.*
- T15-12A** RETINA OPTICS I: VISUALIZATION OF LIGHT PROPAGATION THROUGH THE VERTEBRATE RETINA  
*S. Agte, S. Matthias, K. Franze, M. Gryga, L. Peichl, T. Cremer, M. Kreysing, J. Guck, J. Käs, A. Reichenbach, Leipzig*
- T15-13A** RETINA OPTICS II: NUCLEAR ARCHITECTURE OF ROD PHOTORECEPTORS ADAPTS TO VISION IN THE EVOLUTION OF MAMMALS  
*L. Peichl, I. Solovei, M. Kreysing, C. Lanctôt, S. Kösem, J. Guck, A. Reichenbach, B. Joffe, T. Cremer, Frankfurt/M.*
- T15-14A** RETINA OPTICS III: LIVING OPTICAL ELEMENTS IN THE VERTEBRATE RETINA  
*J. Guck, M. Kreysing, K. Franze, L. Peichl, I. Solovei, T. Cremer, B. Joffe, A. Reichenbach, Cambridge, United Kingdom*
- T15-15A** RETINA OPTICS IV: NUCLEAR ARCHITECTURE OF ROD PHOTORECEPTORS IN POSTNATAL DEVELOPMENT  
*M. Gryga, S. Agte, B. Joffe, T. Cremer, L. Peichl, J. Guck, I. Solovei, A. Reichenbach, Leipzig*

## Friday

- T15-1B** DARKNESS-INDUCED EFFECTS ON ROD RIBBON SYNAPSES IN BASSOON MUTANT MICE  
*I. Spiwoks-Becker, R. Lamberti, R. Spessert, J. Brandstätter, S. tom Dieck, Mainz*
- T15-2B** CHROMATIC PATHWAYS IN THE MOUSE RETINA  
*T. Breuninger, C. Puller, S. Haverkamp, T. Euler, Heidelberg*
- T15-3B** CONTRAST-DEPENDENT TEMPORAL RESOLUTION  
*V. M. Vergin, C. Mora-Ferrer, Mainz*
- T15-4B** EXPERIMENTS ON SPATIAL DEPTH PERCEPTION IN GOLDFISH  
*B. Frech, A. Seegmüller, C. Neumeyer, Mainz*
- T15-5B** OPTIC FLOW GENERATION AND PROCESSING IN FREE FLIGHT NEUROETHOLOGICAL INSIGHTS FROM THE ZEBRA FINCH  
*D. Eckmeier, R. Kern, M. Egelhaaf, H. J. Bischof, Bielefeld*

- T15-6B** ELECTRICAL STIMULATION OF THE HUMAN RETINA WITH A WIRELESS INTRAOCULAR RETINAL PROSTHESIS  
*S. Klauke, M. Goertz, S. Rein, D. Hoehl, U. Thomas, R. Eckhorn, F. Bremmer, T. Wachtler, E. Group, Marburg*
- T15-7B** NORRIN IS AN ANGIOGENIC FACTOR THAT PROTECTS AGAINST VASCULAR DEGENERATION IN RETINOPATHY OF PREMATURITY  
*A. Ohlmann, R. Seitz, D. Seitz, B. M. Braunger, M. R. Bösl, E. R. Tamm, Regensburg*
- T15-8B** ANATOMY AND PHYSIOLOGY OF THE TECTUM OPTICUM IN THE WEAKLY ELECTRIC FISH GNATHONEMUS PETERSII  
*R. Pusch, G. von der Emde, B. Karpestam, H.-J. Wagner, J. Engelmann, Bonn*
- T15-9B** USHER PROTEIN MYOSIN VIIA EXPRESSION IN THE ZEBRAFISH RETINA  
*C. Hodel, M. Heidemann, O. Biehlmaier, M. Gesemann, S. C. Neuhauss, Zurich, Switzerland*
- T15-10B** OPTIC NERVE TRANSECTION AND CRUSH LESION INCREASES CELL PROLIFERATION IN THE ADULT RAT RETINA  
*S. G. Wohl, C. W. Schmeer, O. W. Witte, S. Isenmann, Jena*
- T15-11B** IMPAIRED ENERGY METABOLISM LEADS TO REDUCED VISION IN THE ZEBRAFISH NOIR MUTANT  
*C. M. Maurer, H. B. Schönthaler, S. C. Neuhauss, Zürich, Switzerland*
- T15-12B** DELAYED RIBBON PRECURSOR SPHERE FORMATION DURING PHOTORECEPTOR SYNAPTOGENESIS IN THE ABSENCE OF BASSOON  
*H. Regus-Leidig, S. tom Dieck, J. H. Brandstaetter, Erlangen*
- T15-13B** HYPOTHYROIDISM INDUCES CHANGES IN ADULT MOUSE CONE OPSIN EXPRESSION AND ELECTRORETINOGRAM  
*J. Ammermueller, A. Glaschke, L. Peichl, M. Glösmann, Oldenburg*
- T15-14B** ROLE OF METABOTROPIC GLUTAMATE RECEPTORS IN THE ZEBRAFISH RETINA  
*M. Haug, Y.-Y. Huang, S. C. Neuhauss, Zürich, Switzerland*
- T15-15B** CHARACTERIZATION OF SHEPHERD ACUTE;S CROOK NEURONS IN THE CHICKEN OPTIC TECTUM  
*O. Angay, U. Kretzinger, H. Luksch, S. Weigel, Freising*

## Saturday

- T15-1C** SUBCOMPARTMENTAL DISTRIBUTION OF CX45 ON BIPOLAR CELLS IN THE MOUSE RETINA  
*G. Hilgen, K. Dedek, J. von Maltzahn, K. Willecke, R. Weiler, Oldenburg*



- T15-2C** ELECTRICAL IMAGE OF THE NERVE FIBRE LAYER OF THE RABBIT RETINA  
*G. Zeck, A. Lambacher, P. Fromherz, Martinsried*
- T15-3C** RETINAL CONE OPSIN EXPRESSION DIFFERS BETWEEN WILDTYPE AND ALBINO DEER MICE  
*P. Arbogast, L. Peichl, M. Glösmann, Frankfurt/M.*
- T15-4C** MORPHOLOGICAL AND FUNCTIONAL CONSEQUENCES OF INDUCIBLE ABLATION OF RETINAL HORIZONTAL CELLS IN LIVING MICE  
*U. Janssen-Bienhold, S. Sonntag, K. Schultz, K. Wellershaus, K. Willecke, R. Weiler, Oldenburg (Oldenburg)*
- T15-5C** LIGHT EVOKED CURRENT RESPONSES OF BIPOLAR CELLS IN A RETINA WITH UNCOUPLED HORIZONTAL CELLS  
*M. Pieper, K. Dedek, R. Weiler, Oldenburg*
- T15-6C** EFFECTS OF TEMPERATURE ON RETINAL GANGLION CELL RESPONSES  
*M. T. Ahlers, J. Ammermüller, Oldenburg*
- T15-7C** DIRECTION-SELECTIVE RETINAL GANGLION CELLS IN PIGMENTED AND ALBINOTIC RATS  
*M. Krause, S. Helduser, D. Hollatz, K.-P. Hoffmann, Bochum*
- T15-8C** MONKEY RETINAL GANGLION CELLS RETAIN THE POTENTIAL TO SWITCH INTO A STRONG REGENERATIVE STATE AND REGENERATE AXONS *IN VITRO*  
*K. Schlich, K. Rose, S. Thanos, Münster*
- T15-9C** SPATIO-TEMPORAL CHARACTERISTICS OF IDENTIFIED WIDE-FIELD AMACRINE CELLS (WFAS) IN THE MOUSE RETINA: GLOBAL CONTRAST-DETECTING INTERNEURONS?  
*G. C. Knop, K. Dedek, R. Weiler, Oldenburg*
- T15-10C** HUE, SATURATION, AND BRIGHTNESS VALUES DERIVED FROM THE MODEL OF NEURONAL COLOR CODING AND ELEMENTARY COLOR SENSATIONS IN MAN  
*W. G. Backhaus, Berlin*
- T15-11C** RETINA-CHIP CONTACT PROBED BY THERMAL NOISE  
*R. Zeitler, G. Zeck, P. Fromherz, Martinsried*
- T15-12C** EXPRESSION OF PANNEXIN2 IN THE MOUSE RETINA  
*K. Schmidt, Oldenburg*
- T15-13C** A CRITERION FOR VISUAL PERFORMANCE: MEASURING HEAD MOVEMENT DURING THE OPTOKINETIC REFLEX  
*F. Kretschmer, M. Ahlers, D. Meinhardt, I. Landgraf, J. Kretzberg, J. Ammermüller, Oldenburg*
- T15-14C** CHROMATIC AND ACHROMATIC TEMPORAL RESOLUTION  
*C. Mora-Ferrer, Mainz*

## T16: Vision: striate and extrastriate cortex, eye movement and visuomotor processing

### Friday

- T16-1A** PRE-SACCADIC REMAPPING OF THE MOTION AFTER-EFFECT  
*U. Biber, U. J. Ilg, Tübingen*
- T16-2A** REORGANISATION PLASTICITY IN THE VISUAL CORTEX OF THE ADULT RAT AFTER OPTIC NERVE CRUSH - A SINGLE CELL RESOLUTION METABOLIC MAPPING STUDY  
*T. Macharadze, T. Wanger, M. Marunde, H. Scheich, E. Gundelfinger, M. Kreutz, J. Goldschmidt, Magdeburg*
- T16-3A** TRANSSYNAPTIC RETROGRADE LABELLING IN THE OCULOMOTOR SYSTEM IN RODENT USING TETANUS TOXIN FRAGMENT C AND PSEUDORABIES VIRUS: OPPORTUNITIES AND LIMITATIONS  
*C. Schulze, M. Rothermel, K. Lienbacher, T. Curie, B. G. Klupp, T. C. Mettenleiter, C. Distler, H. Hatt, K.-P. Hoffmann, A. Horn, München*
- T16-4A** DIMINISHED PLASTICITY OF VISUAL FUNCTION AND SENSORY MAPS AFTER CORTICAL STROKE IN MICE  
*F. Greifzu, S. Schmidt, K.-F. Schmidt, O. W. Witte, S. Loewel, Jena*
- T16-5A** „SPARSIFICATION“ OF NEURONAL ACTIVITY IN THE VISUAL CORTEX AT EYE OPENING  
*N. L. Rochefort, O. Garaschuk, R.-I. Milos, M. Narushima, N. Marandi, B. Pichler, Y. Kovalchuk, A. Konnerth, München*
- T16-6A** HOW HIGH IS THE SPATIAL RESOLUTION OF THE HUMAN EEG?  
*M. Deliano, I. Kallmeyer, F. W. Ohl, Magdeburg*
- T16-7A** THE MAIN SEQUENCE OF HUMAN OPTOKINETIC NYSTAGMUS  
*A. Kaminiarz, K. Königs, F. Bremmer, Marburg*
- T16-8A** IN VIVO DENDRITIC CALCIUM SIGNALING IN LAYER 2/3 NEURONS OF MOUSE VISUAL CORTEX  
*H. Jia, N. L. Rochefort, Y. Kovalchuk, A. Konnerth, München*
- T16-9A** TWO-PHOTON IMAGING OF ORIENTATION AND DIRECTION SELECTIVE NEURONS IN THE DEVELOPING MOUSE VISUAL CORTEX  
*M. Narushima, N. L. Rochefort, N. Marandi, B. Pichler, Y. Kovalchuk, A. Konnerth, München*
- T16-10A** OCULAR DOMINANCE PLASTICITY IN ADULT VISUAL CORTEX IS LIMITED BY THE IMMUNE RECEPTOR PIRB  
*M. Mann\*, M. Djurusic\*, T. Bonhoeffer, C. J. Shatz, M. Huebener, Martinsried*
- T16-11A** CHARACTERIZING THE VISUAL SYSTEM OF AGEING MICE  
*K. Lehmann, K.-F. Schmidt, S. Löwel, Jena*



- T16-12A** CHANGING FUNCTIONAL ORGANIZATION DURING INITIAL DEVELOPMENT OF ORIENTATION MAPS IN FERRET VISUAL CORTEX  
*M. Leinweber, J. C. Leong, T. D. Mrsic-Flogel, T. Bonhoeffer, M. Hübener, Martinsried*
- T16-13A** ORGANIZATION OF THE HUMAN MT+ COMPLEX AS REVEALED BY FUNCTIONAL MRI AND INTRAOPERATIVE ELECTRICAL STIMULATION  
*H. G. Becker, A. Gharabaghi, T. Haarmeier, Tübingen*

## Friday

- T16-1B** EFFECTS OF FEATURE-DIRECTED ATTENTION ON THE REPRESENTATION OF SPEED AND COLOR CHANGES OF SUPERIMPOSED OBJECTS  
*D. Wegener, M. K. Aurich, F. Ehn, F. O. Galashan, A. K. Kreiter, Bremen*
- T16-2B** A MULTI-ELECTRODE ARRAY FOR CHRONIC RECORDINGS IN MONKEY AREA V1 ALLOWING FOR BIDIRECTIONAL MOVEMENT OF ELECTRODES AND FAST ELECTRODE EXCHANGE  
*F. O. Galashan, A. Meyer, . K. Kreiter, D. Wegener, Bremen*
- T16-3B** SIMVASTATIN IMPROVES SPATIAL VISION IN MICE FOLLOWING ACUTE RETINAL ISCHEMIA /REPERFUSION  
*K. Krempler, C. Schmeer, S. Isenmann, O. W. Witte, S. Löwel, Jena*
- T16-4B** PROPRIOCEPTION IN THE EXTRAOCULAR EYE MUSCLES OF DIFFERENT SPECIES  
*K. Lienbacher, M. Mustari, B. Hess, N. Peisker, A. Horn , München*
- T16-5B** NEURONAL CORRELATES LUMINANCE CHANGE IN THE PIGEON BRAIN A POPULATION CODE OF THE VISUAL WULST  
*B. Ng, O. Güntürkün, D. Jancke, Bochum*
- T16-6B** MEASURING OPTOKINETIC RESPONSE IN ADULT ZEBRAFISH AND MEDAKA  
*K. Müller, S. C. Neuhauss, Zürich, Switzerland*
- T16-7B** ANALYSIS OF TEMPORAL FLASH PATTERNS IN THE VISUAL SYSTEM OF THE EUROPEAN STARLING (*STURNUS VULGARIS*)  
*A. Feinkohl, G. M. Klump, Oldenburg*
- T16-8B** STRONGER ACTIVATION OF THE MEDIAL SUPERIOR TEMPORAL AREA IN MIGRAINEURS WITH AURA COMPARED TO PATIENTS WITHOUT AURA  
*A. Antal, K. Saller, C. Morawetz, J. Baduewig, W. Paulus, P. Dechent, Göttingen*
- T16-9B** RECEPTIVE FIELD SHIFTS IN MACAQUE PRIMARY VISUAL CORTEX INDUCED BY SACCADIC ADAPTATION  
*S. Klingenhoefer, M. Wittenberg, T. Wachtler, F. Bremmer, Marburg*

- T16-10B** HUMAN OCULAR FOLLOWING RESPONSE TO SAMPLED MOTION  
*K. J. Boström, A.-K. Warzecha, Münster*
- T16-11B** PIGEONS BEING SPOILT FOR CHOICE: A STUDY ON HEMISPHERIC DOMINANCE  
*N. Freund, K. Brodmann, M. Manns, O. Güntürkün, Bochum*
- T16-12B** THE ONSET OF CORTICAL ACTIVITY AFTER VISUAL STIMULATION CAN BE IDENTIFIED WITH MULTIFOCAL VISUAL EVOKED POTENTIALS (MFVEPS)  
*T. Meigen, M. Krämer, Würzburg*
- T16-13B** VISION AND VISUAL CORTICAL MAPS IN MICE WITH A PHOTORECEPTOR SYNAPTOPATHY: BASSOON MUTANT MICE HAVE REDUCED BUT ROBUST VISUAL CAPABILITIES  
*B. Götz, K.-F. Schmidt, K. Lehmann, W. D. Alrock, E. D. Gundelfinger, S. Löwel, Jena*

## Saturday

- T16-1C** IMPACT OF OXYTOCIN ON CELLS OF THE PRIMARY VISUAL CORTEX IN ALBINO AND PIGMENTED RATS  
*C. C. Segerling, K.-P. Hoffmann, Bochum*
- T16-2C** GAZE ALLOCATION DURING NATURAL BEHAVIOR IN THE REAL WORLD  
*B. M. 't Hart, J. Vockeroth, F. Schumann, K. Bartl, E. Schneider, P. König, W. Einhäuser, Marburg*
- T16-3C** STIMULUS EVOKED NEURONAL SYNCHRONY IS REDUCED UNDER SACCADIC VIEWING CONDITIONS  
*M. Wittenberg, F. Bremmer, T. Wachtler, Marburg*
- T16-4C** SPATIO-TEMPORAL TOPOGRAPHY OF SACCADIC SUPPRESSION  
*J. Knöll, J. Beyer, F. Bremmer, Marburg*
- T16-5C** SINGLE CELL RESPONSES TO INSTANTANEOUS SPEED-CHANGES OF VARIOUS POSITIVE AND NEGATIVE AMPLITUDES IN MACAQUE AREA MT  
*A. Träschütz, H. C. Rempel, F. O. Galashan, A. K. Kreiter, D. Wegener, Bremen*
- T16-6C** FUNCTIONAL ARCHITECTURE OF SUPERFICIAL HORIZONTAL CONNECTIONS  
*E. Ruesch, K. A. Martin, S. Roth, Zürich, Switzerland*
- T16-7C** HOW DO PRIOR EXPECTATIONS SHAPE CONTOUR INTEGRATION?  
*M. Schipper, U. A. Ernst, M. Fahle, Bremen*
- T16-8C** ATTENTIONAL ALTERATION OF DIRECTION TUNING OF NEURONS IN MACAQUE AREA MT TO TWO SPATIALLY SEPARATED MOTIONS  
*V. Kozyrev, A. Lochte, M. R. Daliri, S. Treue, Göttingen*
- T16-9C** VISUAL EVOKED ACTIVITY IN V1 OF ANESTHETIZED RATS: FROM GRATINGS TO NATURAL IMAGES  
*S. Roux, D. Suchanek, A. Aertsen, C. Boucsein, Freiburg*



- T16-10C** STIMULUS AND TASK-RELATED GAMMA OSCILLATIONS IN MONKEY V1 INDUCED BY LOCAL AND GLOBAL CONTOURS  
*B. Lima, W. Singer, S. Neuenschwander, Frankfurt/M.*
- T16-11C** TASK-DEPENDENT VIEWING BEHAVIOR IN SCHOOL CHILDREN  
*C. Schreiber, T. Betz, N. Wilming, T. C. Kietzmann, P. König, Osnabrück*
- T16-12C** GAMMA OSCILLATIONS IN THE VISUAL WULST OF THE OWL: A COMPARATIVE STUDY  
*S. Neuenschwander, L. Pinto, B. Lima, J. Baron, Frankfurt/M.*

## T17: Auditory mechanoreceptors, vestibular, cochlea, lateral line and active sensing

### Thursday

- T17-1A** TORAL LATERAL LINE UNITS OF GOLDFISH, *CARASSIUS AURATUS*, ARE SENSITIVE TO THE POSITION AND DIRECTION OF SPHERE VIBRATION  
*G. Meyer, J. Mogdans, H. Bleckmann, Bonn*
- T17-2A** NEURAL ENCODING OF BULK WATER FLOW IN THE MIDBRAIN OF THE GOLDFISH (*CARASSIUS AURATUS*)  
*H. Bleckmann, V. Hofmann, R. D. Zelick, Bonn*
- T17-3A** OBJECT LOCALIZATION USING SENSOR EQUIPPED ARTIFICIAL LATERAL LINE CANALS  
*A. T. Klein, H. Bleckmann, Bonn*
- T17-4A** DISCRIMINATION OF COMPLEX HYDRODYNAMIC STIMULI IN RHEOPHILIC FISH  
*A. Steiner, Bonn*
- T17-5A** DIPOLE DETECTION AND DISCRIMINATION BY THE OSCAR, *ASTRONOTUS OCELLATUS*  
*J. Mogdans, I. E. Nauroth, Bonn*
- T17-6A** GOLDFISH NEUROMASTS ARE SENSITIVE TO LOW-FREQUENCY ELECTRICAL STIMULATION  
*C. Albus, H. Bleckmann, J. Mogdans, Bonn*
- T17-7A** TWO DIFFERENT MODES OF GAIN CONTROL IN A SINGLE AUDITORY INTERNEURON (AN2) IN CRICKETS  
*K. J. Hildebrandt, J. Benda, R. M. Hennig, Berlin*
- T17-8A** EFFECTS OF CONTRALATERAL NOISE STIMULATION AND LOW FREQUENCY BIASING ON DPOAE - CHANGING THE OPERATING STATE OF COCHLEAR AMPLIFICATION?  
*C. Abel, A. Wittekindt, M. Kössl, Frankfurt/M.*
- T17-9A** GENERATION OF A TAMOXIFEN INDUCIBLE HAIR CELL SPECIFIC TR BETA 1 KNOCK-OUT MOUSE MODEL  
*J. Dettling, C. Franz, U. Zimmermann, L. Rüttiger, J. Zuo, R. Feil, F. Flamment, M. Knipper, Tübingen*



- T17-10A** INTERACTION PARTNERS OF OTOFERLIN  
*S. V. Duncker, P. Heidrych, U. Zimmermann, A. Breß, C. M. Pusch, P. Ruth, M. Pfister, B. Fakler, M. Knipper, N. Blin, Tübingen*
- T17-11A** FEATURE SELECTIVITY OF GRASSHOPPER AUDITORY INTERNEURONS DETERMINED BY SPIKE-TRIGGERED COVARIANCE ANALYSIS  
*J. Clemens, B. Ronacher, Berlin*
- T17-12A** THE ROLE OF L-VDCC FOR ACTIVITY-DEPENDENT BDNF TRANSCRIPTION: A CELL CULTURE MODEL  
*E. Passeri, H.-S. Geisler, R. Panford-Walsh, W. Singer, M. Knipper, Tübingen*
- T17-13A** THE ROLE OF THE  $Ca_v1.2$  CHANNEL IN THE COCHLEA  
*A. Zuccotti, W. Singer, H.-S. Geisler, K. Rohbock, O. Gologlu, H. G. Nothwang, M. Knipper, Tübingen*
- T17-14A** RESPONSES OF BRAINSTEM LATERAL LINE NEURONS IN GOLDFISH, *CARASSIUS AURATUS*, TO DIFFERENT WATER FLOW DIRECTIONS AND VELOCITIES  
*S. Künzel, H. Bleckmann, J. Mogdans, Bonn*

## Friday

- T17-1B** MICROTUBULE-ASSOCIATED PROTEINS SHAPE MECHANORECEPTORS IN DROSOPHILA  
*S. Bechstet, T. Müller-Reichert, J. T. Albert, X. Liang, J. Howard, T. Effertz, M. C. Göpfert, Dresden*
- T17-2B** AUDITORY PATTERN RECOGNITION BY BRAIN NEURONS OF THE GRASSHOPPER *CHORTHIPPUS BIGUTTULUS*  
*O. Kutzki, B. Ronacher, Berlin*
- T17-3B** NOVEL FINDINGS IN INNER HAIR CELLS OF HYPOTHYROID RODENTS SHOWING EXOCYTOSIS IN THE ABSENCE OF OTOFERLIN  
*C. Franz, S. Kuhn, N. Brandt, J. Engel, N. Blin, M. Knipper, Tübingen*
- T17-4B** CONTRALATERAL SOUND ALTERS THE F2-F1 DISTORTION PRODUCT OTOACOUSTIC EMISSION - IMPACT OF PRIMARY TONE LEVEL AND FREQUENCY SPECIFICITY  
*H. Althen, A. Wittekindt, C. Abel, B. Gaese, M. Kössl, Frankfurt/M.*
- T17-5B** VIBRATION SENSITIVITY OF LEG SCOLOPIDIAL ORGANS IN MANTOPHASMATODEA  
*M. J. Eberhard, D. Lang, H. Wolf, Vienna, Austria*
- T17-6B** FACTORS IMPROVING AND IMPAIRING SONG PATTERN RECOGNITION IN A GRASSHOPPER  
*S. Krämer, B. Ronacher, Berlin*
- T17-7B** CHARACTERISTICS OF THE RECEPTOR CURRENT IN LOCUST AUDITORY RECEPTOR CELLS  
*K. Fisch, A. Herz, J. Benda, Planegg-Martinsried*



- T17-8B** MECHANICAL FEEDBACK AMPLIFICATION IN DROSOPHILA HEARING REQUIRES A SPECIFIC SUBSET OF NOMPC-EXPRESSING, SOUND-SENSITIVE MECHANOSENSORY CELLS  
*T. Effertz, A. Kamikouchi, M. C. Göpfert, Göttingen*
- T17-9B** THE VIRTUAL EAR: DEDUCING TRANSDUCER FUNCTION IN THE DROSOPHILA EAR  
*Q. Lu, B. Nadrowski, M. Göpfert, Göttingen*
- T17-10B** PRESYNAPTIC PROCESSING IN AUDITORY AFFERENTS OF BUSHCRICKETS  
*B. Hedwig, T. Baden, Cambridge, United Kingdom*
- T17-11B** SPATIAL ACUITY OF ACTIVE ELECTROLOCATION OF OBJECTS IN COMPLEX SCENES BY THE WEAKLY ELECTRIC FISH, GNATHONEMUS PETERSII  
*K. Behr, G. von der Emde, Bonn*
- T17-12B** USING DROSOPHILA TO TRACE CANDIDATE DEAFNESS GENES  
*P. Rajeswaran, S. Bechstedt, B. Nadrowski, J. Howard, M.C. Göpfert, Göttingen*
- T17-13B** RELATING FILTER PROPERTIES OF AUDITORY TRANSDUCTION CHAINS TO BIOPHYSICAL MECHANISM  
*J. Henninger, S. Lu, M. C. Göpfert, J. Benda, Martinsried*
- T17-14B** INSERTION -FORCE AND -DEPTH OF LASER FIBERS INTO A COCHLEA MODEL  
*S. Balster, G. I. Wenzel, K. Zhang, H. H. Lim, W. Ertmer, T. Lenarz, G. Reuter, Hannover*

## Thursday

- T17-1C** SOUND INDUCED VIBRATION PATTERN ON THE TYMPANAL MEMBRANES OF THE BUSHCRICKET *MECOPODA ELONGATA*  
*M. Nowotny, D. Möckel, M. Weber, M. Kössl, Frankfurt/M.*
- T17-2C** SOUND LOCALIZATION IN LIZARDS: HOW A PRESSURE-GRADIENT RECEIVER MAY FUNCTION  
*C. Voßen, L. van Hemmen, Garching*
- T17-3C** HOW CRICKETS DETERMINE THE DIRECTION OF A FLOW FIELD  
*A. N. Vollmayr, J.-P. Diepenbrock, J. P.-M. Fransch, J. L. van Hemmen, München*
- T17-4C** CODING OF STIMULUS AMPLITUDE BY ELECTRO-SENSITIVE NEURONS IN A WEAKLY ELECTRIC FISH  
*M. G. Metzen, J. Engelmann, G. von der Emde, Bonn*
- T17-5C** PHYSIOLOGICAL AND ANATOMICAL EVIDENCE FOR SENSORY INTEGRATION IN THE ELECTROSENSORY LATERAL LINE LOBE OF *GNATHONEMUS PETERSII*  
*J. Engelmann, S. Fechner, K. Grant, G. von der Emde, Bonn*
- T17-6C** CAN OPTOACOUSTIC STIMULATION REPLACE OHC AMPLIFICATION IN THE COCHLEA?  
*G. Reuter, S. Balster, H. Lim, K. Zhang, W. Ertmer, T. Lenarz, G. Wenzel, Hannover*

- T17-7C** NEUROPHYLOGENY OF THE ENSIFERA AUDITORY SYSTEMS  
*R. Lakes-Harlan, J. Strauß, Gießen*
- T17-8C** DIFFERENTIAL DYNAMIC PROCESSING OF SEMICIRCULAR CANAL SIGNALS IN SEPARATE SUBPOPULATIONS OF FROG EXTRAOCULAR MOTONEURONS  
*T. Kohl, S. Pfanzelt, C. Rössert, H. Straka, Bonn*
- T17-9C** MODELING THE ORIGIN OF FUNCTIONAL HETEROGENEITY AMONG AUDITORY NERVE FIBERS  
*N. M. Chapochnikov, T. Frank, N. Strenzke, A. Neef, D. Khimich, A. Egner, F. Wolf, T. Moser, Göttingen*
- T17-10C** INTENSITY INVARIANCE EMERGING IN A FEED FORWARD NETWORK  
*U. Ziehm, K. J. Hildebrandt, J. Benda, Berlin*
- T17-11C** NEUROPHYSIOLOGY AND NEUROANATOMY OF THE LATERAL LINE SYSTEM IN *XENOPUS LAEVIS*  
*Z. Zhivkov, F. Branoner, C. Schuldt, U. Ziehm, O. Behrend, Berlin*
- T17-12C** CODING AT HIGH PRECISION IN THE VELOCITY-REGIME: APPLICATION OF INFORMATION THEORY TO LATERAL-LINE DETECTION  
*J. Goulet, J. Engelmann, B. P. Chagnaud, N. Jung, B. Scholze, H. Bleckmann, J. L. van Hemmen, München*
- T17-13C** DIMENSIONAL CHANGES OF TECTORIAL MEMBRANE DUE TO MUTATIONS IN TR-BETA AND THE TECTORINS  
*A. Breß, U. Zimmermann, M. Knipper, N. Blin, M. Pfister, Tübingen*
- T17-14C** TWO MODES OF INFORMATION PROCESSING IN THE ELECTROSENSORY SYSTEM OF THE PADDLEFISH, *POLYODON SPATHULA*  
*L. Pothmann, L. A. Wilkens, M. H. Hoffmann, St. Louis, USA*

## T18: Auditory system: subcortical and cortical processing

### Thursday

- T18-1A** DELAY-SENSITIVE NEURONS OF THE AUDITORY CORTEX IN THE PHYLLOSTOMID BAT, *CAROLLIA PERSPICILLATA*  
*C. Hagemann, K.-H. Esser, M. Kössl, Frankfurt/M.*
- T18-2A** DISTRIBUTION OF  $\text{Na}^+/\text{Ca}^{2+}$  EXCHANGERS NCX AND NCKX IN THE DEVELOPING RAT AUDITORY BRAINSTEM  
*S. Grill, E. Friauf, Kaiserslautern*
- T18-3A** DISTRIBUTION AND KINETICS OF SYNAPTIC AMPA RECEPTORS IN ADULT MSO NEURONS  
*K. A. Couchman, P. D. Grothe, D. F. Felmy, München*



- T18-4A** VIRTUAL SPACE TECHNIQUE AS A MEASURE TO INVESTIGATE THE ROLE OF THE BARN OWL'S FACIAL RUFF  
*L. Hausmann, H. Wagner, Aachen*
- T18-5A** ADAPTATION IN THE AUDITORY MIDBRAIN OF THE BARN OWL (TYTO ALBA) AS DEMONSTRATED BY A TWO-STIMULUS PARADIGM  
*M. Singheiser, H. Wagner, Aachen*
- T18-6A** ESTROUS CYCLE-DEPENDENT PLASTICITY OF AUDITORY CORTICAL ACTIVATION IN MICE  
*C. Schmid, G. Ehret, Ulm*
- T18-7A** AUDITORY MOTION PERCEPTION FOLLOWING UNILATERAL CORTECTOMY  
*J. Lewald, S. Peters, M. C. Corballis, M. Hausmann, Dortmund*
- T18-8A** POTASSIUM CHANNEL EXPRESSION IN THE AVIAN AUDITORY BRAINSTEM - COMPARISON OF IN VIVO AND IN VITRO DEVELOPMENT  
*T. Künzel, M. J. Wirth, H. Luksch, H. Wagner, J. Mey, Aachen*
- T18-9A** TIME COURSE GENE EXPRESSION PROFILING IDENTIFIES CANDIDATE GENES FOR MATURATION AND FUNCTION OF THE RAT SUPERIOR OLIVARY COMPLEX  
*H. Ehmann, C. Salzig, P. Lang, E. Friauf, H. G. Nothwang, Kaiserslautern*
- T18-10A** ELECTROPHYSIOLOGICAL RECORDINGS FROM THE PRIMARY AUDITORY CORTEX OF THE UNANESTHETIZED AND ANESTHETIZED HOUSE MOUSE (*MUS MUSCULUS*)  
*B. Joachimsthaler, G. Ehret, S. Kurt, Ulm*
- T18-11A** GENERAL PROPERTIES AND SYNAPTIC INPUT-OUTPUT FUNCTIONS OF NEURONS IN THE DORSAL LATERAL LEMNISCUS OF MONGOLIAN GERBIL  
*F. Felmy, E. M. Meyer, B. Grothe, München*
- T18-12A** PARALLEL ELECTROPHYSIOLOGICAL AND BEHAVIORAL ANALYSIS OF LAYER-SPECIFIC ELECTRICAL MICROSTIMULATION IN PRIMARY AUDITORY CORTEX - IMPLICATIONS FOR THE SUBCORTICAL-LOOP HYPOTHESIS  
*M. Happel, M. Jeschke, J. Handschuh, M. Deliano, F. W. Ohl, Magdeburg*
- T18-13A** TRAUMA-INDUCED ALTERATION OF BDNF AND ARG3.1/ARC EXPRESSION IN THE AUDITORY SYSTEM  
*W. Singer, L. Rüttiger, A. Zuccotti, R. Panford-Walsh, M. Jaumann, K. Rohbock, M. Knipper, Tübingen*
- T18-14A** EFFECT OF SPOKEN AND SUNG SYLLABLES ON BRAIN ACTIVITY  
*N. Behne, H. Scheich, A. Brechmann, Magdeburg*

## Saturday

- T18-1B** PROCESSING OF INTONATION IN SPOKEN LANGUAGE  
*C. Kohrs, N. Behne, H. Scheich, A. Brechmann, Magdeburg*
- T18-2B** BINAURAL INTERACTIONS IN CONGENITAL DEAFNESS  
*P. Hubka, J. Tillein, D. Schiemann, S. Heid, E. Syed, R. Hartmann, A. K. Engel, A. Kral, Hamburg*
- T18-3B** ANALYSIS AND SIMULATION OF THE NEUROPHONIC POTENTIAL IN THE LAMINAR NUCLEUS OF THE BARN OWL  
*P. T. Kuokkanen, N. Lautemann, H. Wagner, R. Kempter, Berlin*
- T18-4B** CHLORIDE HOMEOSTASIS IN THE AVIAN AUDITORY BRAINSTEM  
*M. J. Wirth, T. Gensch, H. Wagner, Aachen*
- T18-5B** COMPLEXINS ARE REQUIRED FOR AUDITORY SYNAPTIC TRANSMISSION BEYOND THE HAIR CELL  
*N. Strenzke, D. Khimich, C. Kopp-Scheinflug, K. Reim, S. Chanda, A. Bulankina, M. Xu-Friedman, N. Brose, T. Moser, Göttingen*
- T18-6B** ACOUSTIC STARTLE RESPONSE IN THE WILD-TYPE AND DOMESTICATED MONGOLIAN GERBIL  
*B. Gaese, M. Nowotny, P. K. Pilz, Frankfurt/M.*
- T18-7B** MISSING COCHLEA ACTIVITY LEADS TO ANATOMICAL CHANGES AND DELAYED DEVELOPMENT OF NMDA RECEPTOR-MEDIATED TRANSMISSION IN THE SUPERIOR OLIVARY COMPLEX  
*J. Hirtz, B. Müller, E. Friauf, S. Lührke, Kaiserslautern*
- T18-8B** FUNCTIONAL IMPLICATIONS OF THE COCHLEAR NUCLEUS IN DOLPHINS  
*P. Malkemper, S. Huggenberger, H. H. Oelschläger, Köln*
- T18-9B** EFFECTS OF ENDOGENOUS SHIFTING OF AUDITORY ATTENTION IN RATS  
*J. C. Imam, W. von der Behrens, B. Gaese, Frankfurt/M.*
- T18-10B** DETECTION OF AUDITORY EVOKED POTENTIALS AND MISMATCH NEGATIVITY-LIKE RESPONSES IN THE AWAKE AND UNRESTRAINED RAT  
*F. Jung, T. Kumagai, M. Tittgemeyer, H. Endepols, R. Graf, Köln*
- T18-11B** SIGNAL DETECTION IN MODULATED MASKERS WITH DIFFERENT ENVELOPE SHAPES: A STUDY OF MASKING RELEASE IN THE MOUSE  
*G. Klump, D. Behrens, Oldenburg*
- T18-12B** INTRACRANIAL LOCAL FIELD POTENTIALS CAN BE ESTIMATED FROM AUDITORY BRAINSTEM FUNCTION BY ARTIFICIAL NEURAL NETWORK SIMULATIONS  
*M. Jaumann, L. Rüttiger, M. Bogdan, M. Knipper, Tübingen*



- T18-13B** CRICKET BRAIN NEURONS - SONG PATTERN RECOGNITION AND CONTROL OF WALKING  
*M. Zorovich, B. Hedwig, Cambridge, United Kingdom*
- T18-14B** THE BAEP AUDIOGRAM OF THE LESSER SPEAR-NOSED BAT *PHYLLOSTOMUS DISCOLOR*  
*A. Liebau, K.-H. Esser, Hannover*

## Saturday

- T18-1C** CELLS AND KINASES: HOW TO PROTECT THE EAR FROM NOISE  
*L. Rüttiger, M. Matsumoto, J. Dettling, R. Feil, M. Knipper, Tübingen*
- T18-2C** TEMPORAL RESPONSE PROPERTIES IN THE RECEPTIVE FIELDS OF MOUSE AUDITORY MIDBRAIN NEURONS  
*G. Ehret, M. Egorova, Ulm*
- T18-3C** COLLISION-LIKE INTERACTION OF ACOUSTIC AND ELECTRIC STIMULATION IN GERBIL (*MERIONES UNGUICULATUS*) AUDITORY CORTEXA1  
*A. Engelhorn, M. Deliano, F. W. Ohl, Magdeburg*
- T18-4C** EFFECTS OF BILATERAL LESIONING OF THE MEDIAL NUCLEUS OF THE TRAPEZOID BODY ON BEHAVIOURAL SENSITIVITY TO INTERAURAL TIME DIFFERENCES  
*A. Lingner, M. Pecka, B. Grothe, München*
- T18-5C** AMPLITUDE MODULATION CODING IN THE MAMMALIAN AUDITORY MIDBRAIN IN THE PRESENCE AND IN THE ABSENCE OF NOISE  
*L. Khouri, N. A. Lesica, I. Siveke, B. Grothe, Martinsried*
- T18-6C** REPRESENTATION OF COMPLEX COMMUNICATION SOUNDS IN SECONDARY FIELDS OF THE MOUSE AUDITORY CORTEX  
*A. L. Dorrn, M. Jeschke, G. Ehret, S. Kurt, Ulm*
- T18-7C** INVESTIGATION OF NEURAL CIRCUITS IN THE AUDITORY BRAINSTEM VIA LIGHT-SENSITIVE ION-CHANNELS  
*C. Porres, O. Albrecht, B. Grothe, A. Klug, Planegg-Martinsried*
- T18-8C** DEVELOPMENTAL CHANGES OF GABA<sub>B</sub> RECEPTOR FUNCTION IN THE MEDIAL SUPERIOR OLIVE  
*B. Haßfurth, B. Grothe, U. Koch, Martinsried*
- T18-9C** DISTRIBUTION OF INT-2/FGF3 MRNA EXPRESSION IN DISTINCT NEURONAL POPULATIONS OF THE ADULT MOUSE BRAIN  
*A. Kresse, T. Hökfelt, Graz, Austria*
- T18-10C** TONE LATERALIZATION IS AFFECTED BY BOTH LINGUISTIC ROLES AND PHYSICAL PROPERTIES  
*L. Shuai, Hong Kong, China*

- T18-11C** P300 AND REACTION TIME AS MEASURE OF HEARING EFFORT OF COCHLEAR IMPLANT USERS AND NORMAL HEARING LISTENERS DURING SOUND DISCRIMINATION IN NOISE  
*P. Igelmund, H. Meister, A. Brockhaus-Dumke, D. Fürstenberg, H. von Wedel, M. Walger, Köln*
- T18-12C** CALL FREQUENCY CONTROL BY NEURONS IN THE VOCAL MOTOR NUCLEUS OF GREATER HORSESHOE BATS  
*S. Hage, K. Kobayasi, W. Metzner, Los Angeles, USA*
- T18-13C** MODELLING TRANSMISSION AT THE BUSHY CELL SYNAPSE IN COMPLEXIN-DEFICIENT MICE  
*A. Neef, N. Strenzke, C. Kopp-Scheinpflug, S. Chanda, M. A. Xu-Friedman, T. Moser, Göttingen*
- T18-14C** MULTI-ELECTRODE RECORDINGS OF DELAY LINES AND NEURO-PHONIC POTENTIAL IN THE AUDITORY COINCIDENCE DETECTOR CIRCUIT OF BIRDS  
*N. Lautemann, Aachen*

## T19: Chemical senses: olfaction, taste, others

### Thursday

- T19-1A** DIFFERENT FRUIT ODORS PRODUCE WIDELY DIVERGENT DYNAMIC RESPONSES IN DROSOPHILA ANTENNAL OLFACTORY RECEPTOR NEURONS  
*J. Schuckel, . Torkkeli, A. S. French, Halifax, NS, Canada*
- T19-2A** NEURONAL CORRELATES OF PATTERN RECOGNITION IN A SOCIAL INSECT  
*A. S. Brandstaetter, W. Rössler, C. J. Kleineidam, Würzburg*
- T19-3A** CORRELATING SOCIAL ORGANIZATION AND NEUROANATOMICAL CHARACTERS IN LEAF-CUTTING ANTS  
*C. Kelber, F. Roces, W. Rössler, C. J. Kleineidam, Würzburg*
- T19-4A** MULTI-UNIT RECORDINGS IN THE DUAL OLFACTORY PATHWAY OF THE HONEYBEE  
*M. F. Brill, C. J. Kleineidam, W. Rössler, Würzburg*
- T19-5A** ADULT NEUROGENESIS IN THE OLFACTORY SYSTEM OF HOMING PIGEONS SUPPORTS THE IMPACT OF OLFACTORY CUES FOR NAVIGATION  
*M. Manns, K. Goisser, M. Inkemann, N. Patzke, O. Güntürkün, Bochum*
- T19-6A** CONFOCAL LIFE-CELL IMAGING IN THE MICROVILLOUS LAYER OF THE SENSORY EPITHELIUM USING AN INTACT WHOLE-ORGAN PREPARATION OF THE MOUSE VOMERONASAL ORGAN  
*D. Fluegge, M. Spehr, Bochum*



- T19-7A** PECTINE NEUROPILS OF THE SCORPION - SEROTONINE IMMUNOREACTIVITY AND SIMILARITIES TO INSECT AND CRUSTACEAN OLFACTORY LOBES  
*H. Wolf, S. Harzsch, Ulm*
- T19-8A** CHARACTERIZATION OF RESPONSES TO TAAR-SPECIFIC AMINES IN THE OLFACTORY SYSTEM  
*S. Gliem, D. Schild, I. Manzini, Göttingen*
- T19-9A** DOOR - A DATABASE OF ODORANT RESPONSES IN *DROSOPHILA MELANOGASTER*  
*S. Ma, M. Strauch, D. Münch, C. G. Galizia, Konstanz*
- T19-10A** NOVEL TECHNIQUES FOR THE EXPLORATION OF THE HONEYBEE ANTENNAL LOBE  
*J. Rein, M. Strauch, G. Galizia, Konstanz*
- T19-11A** DAYTIME-DEPENDENT EFFECTS OF CAMP AND OCTOPAMINE ON THE PHEROMONE TRANSDUCTION OF THE HAWKMOTH *MANDUCA SEXTA*  
*C. Flecke, M. Stengl, Kassel*
- T19-12A** INVESTIGATING THE CONTRIBUTIONS OF G- $\alpha_{\text{O}}$  AND G- $\alpha_{\text{D}}$  TO INFORMATION PROCESSING IN *DROSOPHILA* OLFACTORY SENSORY NEURONS  
*M. Thoma, B. Rapp, N. Katanayeva, V. Katanaev, C. G. Galizia, Konstanz*
- T19-13A** CALMODULIN IS IMPORTANT FOR PHEROMONE ADAPTATION IN VOMERONASAL SENSORY NEURONS  
*J. Spehr, S. Hagendorf, J. Weiss, M. Spehr, T. Leinders-Zufall, F. Zufall, Bochum*
- T19-14A** SMELLS LIKE NURSE BEE SPIRIT?  
*T. S. Muenz, C. Zube, W. Rössler, Würzburg*
- T19-15A** IMAGING OLFACTORY LEARNING IN THE MUSHROOM BODY LOBES OF THE HONEYBEE  
*M. Hähnel, R. Menzel, Berlin*
- T19-16A** BIOLOGICAL ACTIVITY AND COMPOSITION OF CUTICULAR LIPID EXTRACTS OF THE CRICKET *GRYLLUS BIMACULATUS*  
*S. Schapp, K. Schildberger, Leipzig*
- T19-17A** THE STIMULATORY HETEROTRIMERIC G-PROTEIN G- $\alpha_{\text{D}}$  IS INVOLVED IN OLFACTORY SIGNAL TRANSDUCTION IN *DROSOPHILA*  
*Y. Deng, G. Gisselmann, H. Hatt, E. M. Neuhaus, Bochum*
- T19-18A** HF MAGNETIC FIELD DISRUPTS MAGNETIC ORIENTATION IN ZEBRA FINCHES  
*J. Voss, N. Keary, T. Ruploh, P. Thalau, W. Wiltschko, H.-J. Bischof, Bielefeld*
- T19-19A** A DUAL OLFACTORY PATHWAY IN HONEYBEE ANTENNAL LOBES: INNERVATION PATTERN OF LOCAL NEURONS.  
*K. S. Kroker, A. Meyer, C. G. Galizia, W. Rössler, C. J. Kleineidam, Würzburg*



- T19-20A** PROCESSING OF IMPERFECT ODOR MIXTURES IN THE HONEYBEE ANTENNAL LOBE  
*J. Stierle, P. Szyzka, C. Girardin, C. G. Galizia, Konstanz*
- T19-21A** IMAGING TEMPORAL ODOR REPRESENTATION IN THE KENYON CELLS OF HONEYBEES  
*A. Froese, R. Menzel, Berlin*
- T19-22A** CANNABINOIDS MODULATE ODOR SENSITIVITY IN THE OLFACTORY EPITHELIUM  
*E. Breunig, I. Manzini, D. Schild, D. Czesnik, Göttingen*
- T19-23A** DIS- AND REASSEMBLING COMPLEX NATURAL BLENDS BY LINKED GAS-CHROMATOGRAPHY - OPTICAL IMAGING TECHNIQUES IN *DROSOPHILA MELANOGASTER*  
*M. Schubert, S. Sachse, B. S. Hansson, Jena*

## Friday

- T19-1B** PERIPHERAL AND CENTRAL OLFACTORY PROCESSING OF SEX PHEROMONE IN AN INSECT MODEL  
*D. Jarriault, A. Chaffiol, L. Couton, S. Elbanna, J.-P. Rospars, S. Anton, Versailles, France*
- T19-2B** NEURONAL REPRESENTATIONS OF OLFACTORY AND VISUAL ASSOCIATIVE LEARNING IN THE HONEYBEE (*APIS MELLIFERA*)  
*I. Klinke, R. Menzel, Berlin*
- T19-3B** EXPERIENCE MODULATES PHEROMONE SENSITIVITY IN MOTHS  
*S. A. Minoli, P. Anderson, N. Skals, F. Marion-Poll, V. Colson, S. Anton, Versailles, France*
- T19-4B** 3D STANDARD BRAIN OF THE RED FLOUR BEETLE *TRIBOLIUM CASTANEUM*: A TOOL TO STUDY SEX DIMORPHISM, ADULT PLASTICITY AND RNAI  
*H. Vitt, S. Dippel, B. Goetz, D. Dreyer, W. Huetteroth, J. Schachtner, Marburg*
- T19-5B** HOMEOSTATIC PLASTICITY IN BASAL VOMERONASAL NEURONS: ACTIVITY-DEPENDENT EXPRESSION OF ETHER-A-GO-GO RELATED GENE POTASSIUM CHANNELS  
*S. Hagendorf, C. Engelhardt, D. Fluegge, M. Spehr, Bochum*
- T19-6B** MODULATION OF FIRING ACTIVITY OF OLFACTORY RECEPTOR NEURONS BY BACKGROUND ODORANTS  
*J. Prešern, V. Party, D. Rochat, A. Blejec, C. Hanot, M. Renou, Ljubljana, Slovenia*
- T19-7B** SIGNALING PROTEIN DISTRIBUTION IN OLFACTORY SENSORY NEURONS  
*S. Kurtenbach, H. Hatt, E. M. Neuhaus, Bochum*
- T19-8B** CHARACTERIZATION OF ION CHANNELS INVOLVED IN OLFACTORY TRANSDUCTION IN THE ANTENNA OF THE HAWKMOTH *MANDUCA SEXTA*  
*J. Benzler, F. Ackermann, T. Gudermann, A. Nighorn, M. Stengl, Marburg*



- T19-9B** NEURAL BASIS OF MATING-DEPENDENT OLFACTORY PLASTICITY IN A MALE MOTH  
*R. Barrozo, D. Jarriault, C. Gadenne, S. Anton, Versailles, France*
- T19-10B** BETA-ARRESTIN2 MEDIATED DESENSITIZATION OF MAMMALIAN ODORANT RECEPTORS  
*S. Rasche, A. Mashukova, H. Hatt, E. M. Neuhaus, Bochum*
- T19-11B** FUNCTIONAL CHARACTERIZATION OF THE SCAFFOLDING PROTEIN, MULTIPLE PDZ DOMAIN PROTEIN 1, MUPP1, IN OLFACTORY SIGNAL TRANSDUCTION  
*S. Baumgart, R. C. Dooley, H. Hatt, E. M. Neuhaus, Bochum*
- T19-12B** BRAIN STRUCTURE OF SCUTIGERA COLEOPTRATA (MYRIAPODA: CHILOPODA): NEW INSIGHTS INTO THE EVOLUTION OF MANDIBULATE OLFACTORY CENTERS  
*A. Sombke, S. Harzsch, B. S. Hansson, Jena*
- T19-13B** HOW TO CHANGE WHILE REMAINING THE SAME - EFFECTS OF LEARNING ON ODOR-EVOKED ACTIVITY PATTERNS IN THE ANTENNAL LOBE  
*M. Schmucker, M. Weidert, R. Menzel, Berlin*
- T19-14B** LEARNING IN A PARASITOID'S BRAIN - A CLOSER INVESTIGATION OF THE BRAIN STRUCTURE OF COTESIA PLUTELLAE  
*H. Groll, G. M. Poppy, P. L. Newland, Southampton, United Kingdom*
- T19-15B** HOMING IN PIGEONS (COLUMBA LIVIA) INDUCE ZENK ACTIVATION IN PIRIFORM CORTEX  
*N. Patzke, M. Manns, O. Güntürkün, P. Ioalè, A. Gagliardo, Bochum*
- T19-16B** THE HONEYBEE'S MUSHROOM BODIES EXTRINSIC NEURONS - THEIR ROLE IN ASSOCIATIVE AND NON-ASSOCIATIVE LEARNING  
*R. Hadar, R. Menzel, Berlin*
- T19-17B** A MASS SPECTROMETRIC APPROACH TO DETERMINE NEUROPEPTIDES FROM DEFINED BRAIN REGIONS OF APIS MELLIFERA  
*A. Boehm, S. Neupert, J. Kahnt, R. Hedderich, R. Predel, J. Schachtner, Marburg*
- T19-18B** INTENSITY CODING IN THE ANT ANTENNAL LOBE  
*C. Zube, W. Rössler, Würzburg*
- T19-19B** ODORANT RECEPTORS OF MANDUCA SEXTA  
*E. Große-Wilde, F. Maïke, J. Krieger, B. S. Hansson, D. Wicher, Jena*
- T19-20B** 2-PHOTON FUNCTIONAL IMAGING OF SINGLE OLFACTORY NEURONS IN THE <DROSOPHILA BRAIN  
*A. Strutz, B. S. Hansson, S. Sachse, Jena*

- T19-21B** THE ANTENNAL LOBES IN BASAL HEXAPODS: CHARACTERIZING THE ANCESTRAL INSECT OLFACTORY SYSTEM  
*C. Mißbach, S. Harzsch, B. S. Hansson, Jena*
- T19-22B** MOLECULAR BASIS OF OLFACTORY SPECIALIZATION IN *DROSOPHILA MELANOGASTER* SIBLINGS  
*S. Lavista Llanos, M. C. Stensmyr, B. S. Hansson, Jena*
- T19-23B** IN VIVO IMAGING OF ODOR-EVOKED CHLORIDE RESPONSES IN THE *DROSOPHILA* BRAIN  
*V. Grabe, B. S. Hansson, S. Sachse, Jena*
- T19-24B** FIRST ORDER BLEND PROCESSING IN THE MOTH ANTENNAL LOBE  
*L. S. Kuebler, S. O. Olsson, B. S. Hansson, Jena*

## Saturday

- T19-1C** MIXTURE INTERACTIONS ON THE ANTENNA OF *DROSOPHILA MELANOGASTER*  
*D. Münch, B. Schmeichel, S. Pfeiffer, A. F. Silbering, C. G. Galizia, Konstanz*
- T19-2C** UPTAKE OF ODORANT BINDING PROTEINS IN THE OLFACTORY EPITHELIUM  
*H. Brose, J. Strotmann, H. Breer, Stuttgart*
- T19-3C** RELATING OLFACTORY PERCEPTION TO PHYSIOLOGY IN *DROSOPHILA*  
*T. Niewalda, T. Völler, J. Ehmer, A. Fiala, B. Gerber, Würzburg*
- T19-4C** CANDIDATE PHEROMONE RECEPTORS OF THE TWO SILKMOTH SPECIES *ANTHERAEA PERNYI* AND *ANTHERAEA POLYPHEMUS*  
*M. Forstner, H. Breer, J. Krieger, Stuttgart*
- T19-5C** MOLECULAR ELEMENTS OF PHEROMONE RECEPTION IN MOTHS  
*J. Krieger, M. Forstner, E. Große-Wilde, T. Gohl, E. Bouche, I. Gondesén, H. Breer, Stuttgart*
- T19-6C** TASTE SIGNALING ELEMENTS IN THE GASTROINTESTINAL TRACT  
*N. Hass, K. Schwarzenbacher, H. Breer, Stuttgart*
- T19-7C** ODOUR CONCENTRATION LEARNING IN *DROSOPHILA* LARVAE  
*D. Mishra, Y.-C. Chen, B. Gerber, Würzburg*
- T19-8C** OUTGROWING OLFACTORY AXONS CONTAIN THE REELIN RECEPTOR VLDLR AND NAVIGATE THROUGH THE REELIN-RICH CRIBRIFORM MESENCHYME  
*C. Schnauffer, H. Breer, J. Fleischer, Stuttgart*
- T19-9C** PROMOTOR-MOTIFS GOVERNING THE SPATIAL EXPRESSION PATTERN OF OLFACTORY RECEPTORS  
*J. Strotmann, Y.-Q. Zhang, H. Breer, Stuttgart*



- T19-10C** GRUENEBERG GANGLION - A DUAL SENSORY ORGAN?  
*K. Mamasuew, H. Breer, J. Fleischer, Stuttgart*
- T19-11C** *DROSOPHILA* OLFACTION: WHAT MAKES A GOOD ODOR WHAT MAKES A GOOD BLEND?  
*M. Knaden, K. Steck, B. S. Hansson, Jena*
- T19-12C** SIGNALING ELEMENTS IN THE GRUENEBERG GANGLION  
*J. Fleischer, K. Mamasuew, H. Breer, Stuttgart*
- T19-13C** ODOR PREFERENCE AND SPECIALIZATION IN FRUIT FLIES  
*A. Beramendi, M. Knaden, B. Hansson, Jena*
- T19-14C** OLFACTORY CODING IN MOTHS: EVOLUTION VERSUS LIFE HISTORY  
*S. Bisch-Knaden, M. Schubert, C. Heini, S. Sachse, B. S. Hansson, Jena*
- T19-15C** SYNAPTIC INPUT AND INTRINSIC MEMBRANE PROPERTIES AS POTENTIAL MECHANISM FOR SPARSING COCKROACH KENYON CELLS  
*H. Demmer, P. Kloppenburg, Köln*
- T19-16C** EXPRESSION OF THE ADIPONECTIN RECEPTOR 1 IN THE OLFACTORY MUCOSA OF MICE  
*M.-I. Burry, N. Hass, H. Haub, R. Stevens, K. Schwarzenbacher, H. Breer, Stuttgart*
- T19-17C** PLASTICITY OF MICROCIRCUITS IN THE INSECT NERVOUS SYSTEM  
*C. Groh, N. Butcher, A. Nuschke, I. Meinertzhagen, W. Roessler, Würzburg*
- T19-18C** PHYSIOLOGICAL AND MORPHOLOGICAL FEATURES OF LOCAL INTERNEURONS IN THE ANTENNAL LOBE OF *PERIPLANETA AMERICANA*  
*D. Fusca, A. Husch, P. Kloppenburg, Köln*
- T19-19C** G ALPHA PROTIEN SUBTYPES IN THE ZEBRAFISH CHEMO-SENSORY SYSTEMS  
*Y. Oka, S. I. Korsching, Köln*
- T19-20C** POSITIVE SELECTION AND THE BIRTH OF AN OLFACTORY RECEPTOR CLADE IN TELEOSTS  
*A. Hussain, L. R. Saraiva, S. I. Korsching, Köln*
- T19-21C** CHARACTERIZATION OF TRANSIENT POTASSIUM CURRENTS IN IDENTIFIED OLFACTORY INTERNEURONS OF *PERIPLANETA AMERICANA*  
*L. Paeger, P. Kloppenburg, Köln*
- T19-22C** VERIFYING AND SEARCHING LIGANDS FOR GENETICALLY LABELED GLOMERULI  
*H. Spors, Frankfurt/M.*
- T19-23C** BACKGROUND ODORS SPECIFICALLY CHANGE ODOR DISCRIMINATION TIME AND ACCURACY  
*N. Schneider, N. Shahshahani, H. Spors, Frankfurt/M.*

## T20: Somatosensation: touch, temperature, proprioception, nociception

### Thursday

- T20-1A** DENDRITIC ACTIVITY IN LAYER 5 PYRAMIDAL CELLS IN THE SOMATOSENSORY CORTEX IN VITRO DURING UPSTATES  
*T. Berger, Mainz*
- T20-2A** INFRARED SENSING IN ANTS  
*M. Ruchty, L. S. Kübler, F. Roces, C. J. Kleineidam, Würzburg*
- T20-3A** ANATOMICAL AND NEUROCHEMICAL ORGANIZATION OF THE SENSORY SYSTEM OF THE EARTHWORM *LUMBRICUS TERRESTRIS*  
*G. Kiszler, E. Varhalmi, G. Berta, E. Pollak, L. Molnar, Pecs, Hungary*
- T20-4A** BRAIN CENTRES INVOLVED IN THE FRUIT FLIES' ORIENTATION IN A HUMIDITY GRADIENT  
*B. Zaepf, R. Strauss, Mainz*
- T20-5A** A TARGETED INDUCTION OF MITOCHONDRIAL DYSFUNCTION IN THE PERIPHERAL SOMATOSENSORY SYSTEM  
*B. Novak, C. C. Stichel, H. Lübbert, Bochum*
- T20-6A** MECHANICALLY INDUCED REGIONAL CHANGES IN FREE INTRACELLULAR  $Ca^{2+}$ , AND THE EFFECT OF INTRACELLULAR  $Ca^{2+}$  ON MECHANOTRANSDUCTION IN SPIDER SENSORY NEURONS  
*U. Höger, S. Meisner, P. H. Torkkeli, A. S. French, Halifax, Canada*
- T20-7A** ANTINOCICEPTIVE EFFECTS OF THE SELECTIVE COX-2-INHIBITORS CELECOXIB AND LUMIRACOXIB ASSESSED BY FUNCTIONAL MRI (BOLD) IN RATS  
*A.-M. Pamberg, K. Brune, A. Hess, Erlangen*
- T20-8A** NOWHERE TO GO? FRUIT FLIES IN A BILATERALLY INCREASING TEMPERATURE GRADIENT  
*C. Berg, R. Strauss, Mainz*
- T20-9A** SUPERIOR SENSORY, MOTOR AND COGNITIVE PERFORMANCE IN ELDERLY SUBJECTS WITH LONG-YEAR DANCING ACTIVITIES  
*J.-C. Kattenstroth, I. Kolankowska, T. Kalisch, H. R. Dinse, Bochum*

### Friday

- T20-1B** DEPENDENCY OF THE NEGATIVE BOLD SIGNAL ON STIMULUS INTENSITY IN THE HUMAN SOMATOSENSORY CORTEX  
*K. Schaefer, H. B. Larsson, Glostrup, Denmark*



- T20-2B** AGE RELATED ALTERATIONS OF RESPONSE PROPERTIES OF CORTICAL SOMATOSENSORY NEURONS AFTER PRESENTATION OF TRAIN STIMULI - INFLUENCE OF AGE ON TEMPORAL PROCESSING  
*M. David, H. R. Dinse, Bochum*
- T20-3B** DIFFERENTIAL EFFECTS OF NITRIC OXIDE ON THE RESPONSIVENESS OF TACTILE HAIRS  
*H. Schuppe, P. L. Newland, Southampton, United Kingdom*
- T20-4B** ENCODING OF HIGH-FREQUENCY WHISKER VIBRATIONS IN THE RAT'S BARREL CORTEX: AWAKE VERSUS ANESTHETIZED PREPARATION  
*C. Vahle-Hinz, M. C. Stüttgen, T. A. Ewert, A. K. Engel, C. Schwarz, Hamburg*
- T20-5B** SUBACUTE EXPOSURE OF RATS TO CADMIUM OXIDE NANOPARTICLES: ELECTROPHYSIOLOGICAL AND GENERAL TOXICOLOGICAL EFFECTS  
*L. Nagymajtényi, L. Sárközi, A. Papp, T. Vezér, Szeged, Hungary*
- T20-6B** DIRECT ACTIVATION OF TRANSIENT RECEPTOR POTENTIAL V1 BY NICKEL IONS  
*M. Lübbert, D. Radtke, H. Hatt, C. Wetzel, Bochum*
- T20-7B** NEUROPHYSIOLOGY OF TACTILE SHAPE RECOGNITION IN THE SOMATOSENSORY CORTEX OF THE ETRUSCAN SHREW  
*C. Roth-Alpermann, M. Brecht, Berlin*
- T20-8B** MODULATION OF CORTICOMUSCULAR SYNCHRONIZATION DURING ISOMETRIC COMPENSATION OF DYNAMIC FORCES WITH DIFFERENT LEVELS OF PREDICTABILITY  
*X. Wang, J. R. Naranjo, W. Omlor, F. Huethe, C. Maurer, J. Schulte-Mönting, R. Kristeva, Freiburg*

## Saturday

- T20-1C** FUNCTIONAL GROUPING OF DESCENDING INTER-NEURONS THAT MEDIATE ANTENNAL MECHANOSENSORY INFORMATION TO MOTOR NETWORKS  
*S. Westmark, V. Dürr, Köln*
- T20-2C** MARTINOTTI INTERNEURONS CONTROL DENDRITIC ENCODING OF TACTILE STIMULI  
*M. E. Larkum, E. Perez-Garci, W. Senn, T. Nevian, T. Bock, M. Murayama, Bern, Switzerland*
- T20-3C** CHANGES IN CORTICAL PROTEIN EXPRESSION SPECIFICALLY RELATED TO IMPROVED LEARNING FOLLOWING TRANSCRANIAL MAGNETIC THETA BURST STIMULATION OF RATS  
*A. Mix, Bochum*
- T20-4C** PROCESSING OF PROPRIOCEPTIVE INPUTS IN THE LOCUST: QUANTITATIVE ANALYSIS OF THE RESPONSES OF SPIKING LOCAL INTERNEURONES IN THE METATHORACIC GANGLION  
*A. Vidal-Gadea, X. Jing, Y. Kondoh, D. Simpson, P. Newland, Southampton, United Kingdom*

- T20-5C** CYTOARCHITECTONIC MAPPING AND QUANTITATIVE ANATOMY OF THE ETRUSCAN SHREW CORTEX  
*R. K. Naumann, F. Anjum, C. Roth-Alpermann, M. Brecht, Berlin*
- T20-6C** DIFFERING EFFECTS OF GABA AND GLUTAMATE ON SPIDER (*CUPIENNIUS SALEI*) MECHANORECEPTORS  
*K. Pfeiffer, U. Höger, A. S. French, P. H. Torkkeli, Halifax, Canada*
- T20-7C** INDUCED PLASTIC CHANGES OF TACTILE PERCEPTION AND SOMATOSENSORY CORTEX EXCITABILITY DEPEND ON STIMULATION FREQUENCY AND TEMPORAL PATTERN  
*M. Gatica Tossi, H. Dinse, Bochum*
- T20-8C** IMPACT OF THALAMUS ON CORTICAL STATE CHANGE IN MOUSE BARREL CORTEX DURING WHISKING  
*J. Poulet, C. Petersen, Lausanne, Switzerland*
- T20-9C** MECHANOSENSORY FEEDBACK IN *DROSOPHILA*  
*J. Bartussek, E. Shchekinova, H. Saleh, C. Graetzel, J. Howard, M. Zapotocky, S. Fry, Zürich, Switzerland*

## T21: Motor systems

### Thursday

- T21-1A** INVESTIGATING THE EFFECTS OF PROPRIOCEPTIVE FEEDBACK ON A CENTRAL PATTERN GENERATOR WITH A REAL-TIME COMPUTER MODEL  
*F. M. Diehl, N. Daur, W. Stein, Ulm*
- T21-2A** INFLUENCE OF MOVEMENT SIGNALS FROM THE FEMUR TIBIA-JOINT IN FRONT-, MIDDLE- AND HINDLEG OF THE STICK INSECT DURING FORWARD AND BACKWARD WALKING  
*K. Hellekes, A. Büschges, Köln*
- T21-3A** EXPRESSION OF FOXO TRANSCRIPTION FACTORS IN PERIPHERAL NERVES UNDERGOING WALLERIAN DEGENERATION *IN VIVO* AND *IN VITRO*  
*H. Siebert, B. Franzen, B. Maruschak, W. Brück, Göttingen*
- T21-4A** MECHANISMS IN THE CONTROL OF WALKING SPEED IN THE STICK INSECT  
*M. Gruhn, G. von Uckermann, S. Westmark, A. Wosnitza, A. Büschges, A. Borgmann, Köln*
- T21-5A** MUSCLE ACTIVITY OF ANTAGONISTIC LEG MUSCLES IN THE TURNING STICK INSECT  
*P. Rosenbaum, L. Zehl, A. Büschges, M. Gruhn, Köln*
- T21-6A** MORPHOLOGY OF MOTOR NEURONS INNERVATING LABRAL MUSCLES OF *LOCUSTA MIGRATORIA*  
*A. M. Alvi, P. Bräunig, Aachen*



- T21-7A** TARGETING MODULES IN THE GAP-CLIMBING CONTROL OF *DROSOPHILA MELANOGASTER*  
*T. Triphan, R. Strauss, Mainz*
- T21-8A** COORDINATED LOCOMOTION VIA A GRADIENT OF SYNAPTIC STRENGTH  
*C. R. Smarandache, B. Mulloney, Davis, USA*
- T21-9A** MODULATION OF CORTICOMUSCULAR SYNCHRONIZATION BY DIFFERENT FREQUENCIES OF DYNAMIC FORCE OUTPUT  
*J. R. Naranjo, X. Wang, W. Omlor, F. Huethe, C. Maurer, J. Schulte-Mönting, R. Kristeva, Freiburg*

## Friday

- T21-1B** SONIC HEDGEHOG REGULATES CADHERIN-20 EXPRESSION BY MOTOR NEURONS DURING SPINAL CORD DEVELOPMENT  
*J. Luo, M. J. Ju, J. Lin, X. Yan, M. Markus, E. Mix, A. Rolfs, C. Redies, Rostock*
- T21-2B** THE PREOPTIC AREA IN ANURAN AMPHIBIANS  
*S. Maier, S. Huggenberger, W. Walkowiak, Köln*
- T21-3B** STICK INSECT Tarsi - SURFACE STRUCTURES AND MUSCLE RECRUITMENT IN POSTURE CONTROL  
*P. Bußhardt, H. Wolf, S. Gorb, Ulm*
- T21-4B** A TRACING STUDY OF MESOTHORACIC LEG MOTONEURONS AND DUM NEURONS IN THE STICK INSECT *CARAUSIUS MOROSUS*  
*J. Goldammer, J. Schmidt, Köln*
- T21-5B** AUDIO-VOCAL INTEGRATION WITHIN THE MEDULLA OBLONGATA OF ANURANS  
*S. Huggenberger, W. Walkowiak, Köln*
- T21-6B** REVEALING EXCITABLE SUBCORTICAL NETWORKS BY MICROSTIMULATION-FMRI OF THE DEEP CEREBELLAR NUCLEI  
*F. Sultan, M. Augath, Y. Murayama, S. Hamodeh, P. Thier, N. K. Logothetis, Tübingen*
- T21-7B** IDENTIFICATION OF GENES MEDIATING THE DORSAL/ VENTRAL CHOICE OF SENSORY AND MOTOR AXONS IN THE LIMB  
*G. Luxenhofer, E. Bianchi, A. B. Huber, München-Neuherberg*
- T21-8B** ANALYSIS OF THE INTERSEGMENTAL SENSORY INFLUENCES IN THE STICK INSECT WALKING SYSTEM  
*A. Borgmann, K. Hellekes, A. Büschges, Köln*
- T21-9B** TEMPORAL PATTERNING OF A VOCAL PACEMAKER CIRCUIT IN FISH  
*B. P. Chagnaud, A. H. Bass, Baker, Ithaca, USA*
- T21-10B** HIGH FREQUENCY RANDOM NOISE STIMULATION MODULATES LEVELS OF CORTICAL EXCITABILITY IN THE HUMAN MOTOR CORTEX  
*L. Chaieb, D. Terney, V. Moliadze, A. Antal, W. Paulus, Göttingen*



- T21-11B** PHYSIOLOGICAL CHARACTERISATION OF A SIMPLY-INNERVATED INSECT MUSCLE  
*A. J. Clare, G. Sutton, M. Burrows, T. Matheson, Leicester, United Kingdom*

## Saturday

- T21-1C** TEMPORAL SYNCHRONY AS CRITICAL FACTOR FOR FACILITATION AND INTERFERENCE OF ACTION RECOGNITION BY SELF-GENERATED MOVEMENTS  
*A. Christensen, W. Ilg, H.-O. Karnath, M. A. Giese, Tübingen*
- T21-2C** ROLE OF AN INHIBITORY MOTOR NEURONE IN AIMED LIMB MOVEMENTS  
*D. Calas, A. J. Clare, T. Matheson, Leicester, United Kingdom*
- T21-3C** MEASURING AND MODELLING BIOMECHANICAL PARAMETERS USING INDIVIDUAL STICK INSECT EXTENSOR TIBIAE MUSCLES  
*C. Guschlbauer, M. Blümel, S. L. Hooper, A. Büschges, Köln*
- T21-4C** CHOLINERGIC CURRENTS IN IDENTIFIED LEG MOTONEURONS ISOLATED FROM STICK INSECTS  
*E. E. Oliveira, V. L. Salgado, P. Kloppenburg, J. Schmidt, Köln*
- T21-5C** GAIN MODULATION OF REACH RELATED NEURONS IN THE PARIETAL REACH REGION AND DORSAL PREMOTOR CORTEX OF MONKEYS  
*C. Klaes, S. Westendorff, A. Gail, Göttingen*
- T21-6C** SUBCELLULAR LOCALIZATIONS OF INTRAFILAGELLAR TRANSPORT (IFT) MOLECULES INDICATE DIFFERENTIAL CILIARY AND NOVEL NON-CILIARY FUNCTIONS IN RETINAL NEURONS  
*T. Sedmak, M. Latz, G. J. Pazour, U. Wolfrum, Mainz*
- T21-7C** RECRUITMENT PATTERN OF MOTONEURONS AND INTERNEURONS IN THE SPINAL LOCOMOTOR NETWORK OF ADULT ZEBRAFISH  
*J. P. Gabriel, A. El Manira, Stockholm, Sweden*
- T21-8C** ARM STIFFNESS AND MOVEMENT CONTROL  
*K. Fiedler, J. M. Herrmann, Göttingen*
- T21-9C** TYRAMINE AND OCTOPAMINE, A TRANSMITTER PAIR OF SPECIFIC ACTION IN INSECTS  
*H.-J. Pflüger, N. L. Kononenko, R. Vierk, C. Duch, Berlin*
- T21-10C** DOPAMINERGIC SIGNALING IN THE CENTRAL COMPLEX PROMOTES SOUND PRODUCTION  
*M. Kunst, C. Krug, R. Heinrich, New Haven, USA*
- T21-11C** GRASP CONTEXT REPRESENTATION IN MACAQUE PARIETAL AREA AIP  
*H. Scherberger, M. Baumann, M.-C. Fluet, Zürich, Switzerland*



## T22: Homeostatic and neuroendocrine systems, stress response

### Thursday

- T22-1A** MATING BEHAVIOR OF FEMALE *CHORTHIPPUS BIGUTTULUS* AND ITS MODULATION BY JUVENILE HORMONE  
*A. Wirmer, M. Faustmann, R. Heinrich, Göttingen*
- T22-2A** PITUITARY ADENYLATE CYCLASE-ACTIVATING POLYPEPTIDE (PACAP) MODULATE THE ACTIVITY OF COELOMOCYTES DURING THE REGENERATION OF THE VENTRAL NERVE CORD GANGLIA IN THE EARTHWORMS  
*I. Somogy, E. Varhalmi, P. Engelmann, B. Opper, A. Boros, J. Nemeth, A. Lubics, D. Reglodi, E. Pollak, L. Molnar, Pecs, Hungary*
- T22-3A** IS THE MEDIAL NEUROSECRETORY BRAIN REGION OF THE EARTHWORM THE ANATOMICAL CORRELATES OF THE PARS INTERCEREBRALIS?  
*L. Molnar, E. Pollak, A. Boros, Z. Herbert, Pecs, Hungary*
- T22-4A** EXPRESSION OF SMALL HEAT SHOCK PROTEINS IN THE RAT BRAIN  
*B. Bartelt-Kirbach, N. Golenhofen, Ulm*
- T22-5A** PATERNAL CARE IS CRITICALLY INVOLVED IN THE DEVELOPMENT OF CORTICOTROPIN RELEASING FACTOR (CRF)-EXPRESSING NEURONS IN THE RODENT ORBITOFRONTAL CORTEX, AMYGDALA AND HIPPOCAMPUS  
*K. Seidel, C. Helmeke, K. Braun, Magdeburg*

### Friday

- T22-1B** PEPTIDE QUANTIFICATION IN DIRECT MASS SPECTROMETRIC TISSUE PROFILING: A CASE STUDY IN PROHORMONE CONVERTASE 2-DEFICIENT *DROSOPHILA*  
*C. Wegener, J. Rhea, M. Bender, J. Kahnt, Marburg*
- T22-2B** LOW DOSE HEXABROMOCYCLODODECANE SUPPRESS THYROID HORMONE RECEPTOR-MEDIATED TRANSCRIPTION  
*K. ibhazehiebo, T. Iwasaki, S. Noriaki, M. Londono, N. Koibuchi, Maebashi, Japan*
- T22-3B** INDIVIDUAL CORTISOL PROFILE ASSOCIATES WITH PERFORMANCE IN ACADEMIC EXAMINATIONS  
*B. A. Pletzer, G. Wood, H.-C. Nuerk, H. H. Kerschbaum, Salzburg, Austria*
- T22-4B** ELUCIDATION OF MELATONIN METABOLIC PATHWAY INVOLVEMENT ON AGING OF *ACHETA DOMESTICUS* IN INSECT LINES SELECTED FOR FAST- AND SLOW-DEVELOPMENT  
*J. Bembenek, J. C. Francikowski, Katowice, Poland*

- T22-5B** ELUCIDATION OF MELATONIN METABOLIC PATHWAY INVOLVEMENT ON AGING OF *ACHETA DOMESTICUS* IN INSECT LINES SELECTED FOR FAST- AND SLOW-DEVELOPMENT  
*J. C. Francikowski, J. Bembenek, Katowice, Poland*

## Saturday

- T22-1C** THE ROLE OF NORADRENALINE WITHIN THE PERIRHINAL CORTEX IN STRESS-INDUCED POTENTIATION OF THE STARTLE RESPONSE  
*B. Schulz-Klaus, P. Pilz, A. von Ameln-Mayerhofer, Tübingen*
- T22-2C** INSULIN IN THE BRAIN PROMOTES LOCOMOTOR ACTIVITY IN LEANT  
*Sartorius, A. M. Hennige, O. Tschritter, H. Preissl, S. Hopp, K. Kantartzis, G. Silbernagel, A. Fritsche, P. Ruth, H.-U. Häring, Tübingen*
- T22-3C** GENDER- AND GENOTYPE-DEPENDENT DIFFERENCES IN STRESS REACTIONS IN MICE DEFICIENT FOR THE SEROTONIN TRANSPORTERS  
*L. Nietzer, S. Jakob, G. Ortega, C. Kriegebaum, L. Gutknecht, K. Lesch, A. Schmitt, Würzburg*
- T22-4C** THE PHYLOGENY OF BLATTOPTERAN INSECTS: NEUROPEPTIDES AS A NEW CHARACTER SET  
*B. Fromm, S. Roth, S. Neupert, R. Predel, Jena*
- T22-5C** ACUTE STRESS INDUCES INCREASED OXYTOCIN EXPRESSION IN BRAIN REGIONS IMPORTANT FOR EMOTIONAL REGULATION ONLY IN MALE WILDTYPE MICE  
*B. Kriegebaum, S. L. Nietzer, S. Jakob, G. Ortega, L. Gutknecht, K.-P. Lesch, A. G. Schmitt, Würzburg*

## T23: Neural networks and rhythm generators

### Thursday

- T23-1A** PROTOCADHERIN7: ISOFORM SPECIFIC FUNCTION AND SIGNALING PATHWAY  
*K. Yoshida, Kawasaki, Japan*
- T23-2A** TONIC ACTIVATION OF PRESYNAPTIC NMDA RECEPTORS DURING SEIZURE DEVELOPMENT IN THE AMYGDALA  
*S. A. Graebenitz, J. Lesting, T. Seidenbecher, H.-C. Pape, Münster*
- T23-3A** DENDRITIC ARCHITECTURE OF PYRAMIDAL NEURONS IN THE RAT INFRA-LIMBIC CORTEX AFFECTED BY DIURNAL ACTIVITY AND STRESS  
*B. Czéh, C. Perez-Cruz, M. Simon, G. Flügge, E. Fuchs, J. Lesting, T. Seidenbecher, H.-C. Pape, Göttingen*
- T23-4A** FUNCTIONAL ROLE OF INTRALAMINAR THALAMIC NEURONS DURING SPIKE AND WAVE DISCHARGES IN A GENETIC RAT MODEL OF ABSENCE EPILEPSY  
*C. J. Mittag, A. Gorji, T. Seidenbecher, H.-C. Pape, Münster*



- T23-5A** AN UNCOMMON GAIN CONTROL - AMPLIFICATION INSTEAD OF INHIBITION  
*T. Ostrowski, A. Stumpner, Göttingen*
- T23-6A** DYSFUNCTION OF THALAMIC ADENYLYL CYCLASES IN AN ANIMAL MODEL OF HUMAN ABSENCE EPILEPSY  
*P. Ehling, T. Kanyshkova, A. Baumann, H.-C. Pape, T. Budde, Münster*
- T23-7A** MONOAMINES BLOCK KAINATE- AND CARBACHOL-INDUCED GAMMA OSCILLATIONS BUT AUGMENT STIMULUS-INDUCED GAMMA OSCILLATIONS IN RAT HIPPOCAMPUS IN VITRO  
*A. Wojtowicz, L. van den Boom, A. Chakrabarty, N. Maggio, R. ul Haq, C. Behrens, U. Heinemann, Berlin*
- T23-8A** ANALYSING THE CENTRAL PATTERN GENERATOR FOR CRICKET STRIDULATION  
*S. Schöneich, B. Hedwig, Cambridge, United Kingdom*
- T23-9A** A STUDY OF NEUROPEPTIDERGIC CIRCADIAN COUPLING PATHWAYS IN THE COCKROACH *LEUCOPHAEA MADERAE*  
*M. Stengl, S. Söhler, T. Reischig, Kassel*
- T23-10A** ALTERATION OF BRAIN STATES WITH HIGH PHASE-COHERENCE AND TRANSIENT STATES INDICATE THE INTERMITTENCY INFORMATION PROCESSING IN BRAIN DYNAMICS  
*A. Zeghib, A. Fillbrandt, F. Ohl, Magdeburg*
- T23-11A** SELF-ORGANIZED CRITICALITY OF DEVELOPING ARTIFICIAL NEURONAL NETWORKS AND DISSOCIATED CELL CULTURES  
*C. Tetzlaff, S. Okujeni, U. Egert, F. Wörgötter, M. Butz, Göttingen*
- T23-12A** STATE-DEPENDENT PATTERNS OF SPATIOTEMPORAL COUPLING IN RAT VISUAL CORTEX  
*T. Wanger, K. Takagaki, M. T. Lippert, F. W. Ohl, Magdeburg*
- T23-13A** MULTI-SCALE MODELLING OF CORTICAL POPULATION BURSTS  
*B. Telenczuk, A. Herz, G. Curio, Berlin*
- T23-14A** IDENTIFICATION AND CHARACTERIZATION OF CIRCADIAN CLOCK MOLECULES IN THE CIRCADIAN PACE-MAKER NETWORK OF THE COCKROACH *LEUCOPHAEA MADERAE*  
*A. Werckenthin, C. Derst, M. Stengl, Kassel*
- T23-15A** LAYERING OF THE DENTATE GYRUS IS CRUCIAL FOR HOMOGENEOUS HILAR MOSSY CELL INPUT  
*J. Kowalski, M. Geuting, A. Drakew, C. A. Haas, S. Zhao, M. Frotscher, I. Vida, Freiburg*

## Friday

- T23-1B** INDEPENDENCE OF FUNCTIONAL NEURONAL NETWORK ARCHITECTURE FROM CHOLINERGIC AND GABA-ERGIC MODULATION: NO ESCAPE FROM THE SMALL WORLD  
*K. Gansel, W. Singer, Frankfurt/M.*

- T23-2B** COMBINING EXPERIMENTS WITH A PERCOLATION MODEL TO STUDY CONNECTIVITY IN NEURAL CULTURES  
*J. Soriano-Fradera, M. Rodriguez-Martinez, O. Cohen, A. Keselman, T. Tlusty, E. Moses, Rehovot, Israel*
- T23-3B** TRIAL-TO-TRIAL VARIABILITY OF INTERACTION DYNAMICS BETWEEN AUDITORY AND VISUAL CORTEX DURING ASYNCHRONOUS AUDIOVISUAL STIMULATION  
*A. Fillbrandt, H. Zeghib, F. W. Ohl, Magdeburg*
- T23-4B** INSECT NEURONAL CELL CULTURE ON MULTIELECTRODE ARRAYS  
*K. Göbbels, V. Buck, A. van Ooyen, U. Schnakenberg, A. Offenhäusser, P. Bräunig, Aachen*
- T23-5B** LOCAL FIELD POTENTIAL OSCILLATIONS ARE REDUCED AT HIGH-BETA AND HIGH-GAMMA FREQUENCIES IN BASAL GANGLIA REGIONS IN AN ANIMAL MODEL OF EPILEPSY  
*S. Honndorf, J. Chiang, S. Kücker, M. Gernert, Hannover*
- T23-6B** PIGMENT-DISPERSING HORMONE-IMMUNOREACTIVE NEURONS IN THE OPTIC LOBE OF THE MARBLED CRAYFISH APPEAR TO BE HOMOLOGOUS TO INSECT CIRCADIAN PACEMAKER NEURONS  
*A. J. Farca Luna, T. Reischig, R. Heinrich, Göttingen*
- T23-7B** MOTOR PATTERNS DURING THE INITIATION OF DIFFERENT WALKING DIRECTIONS IN STICK INSECTS  
*D. Düsterhus, J. Schmitz, Bielefeld*
- T23-8B** PERISOMATIC INHIBITION MEDIATED BY AXO-AXONIC CELLS IN CA3 AREA OF THE HIPPOCAMPUS  
*T. Dugladze, H. Monyer, U. Heinemann, T. Gloveli, Berlin*
- T23-9B** ELECTROPHYSIOLOGICAL CHARACTERIZATION OF CIRCADIAN PACEMAKER CANDIDATES OF THE COCKROACH *LEUCOPHAEA MADERAE* *IN-VIVO* AND AT THE LEVEL OF SINGLE CELLS *IN-VITRO*  
*N. W. Funk, J. S. Brusius, S. Krannich, M. Stengl, Kassel*
- T23-10B** MOUSE CENTRAL AND PERIPHERAL CIRCADIAN CLOCKS ARE ENTRAINED BY THE PHOTOPERIOD  
*S. Sosniyenko, D. Parkanova, M. Sladek, H. Illnerova, A. Sumova, Prague, Czech Republic*
- T23-11B** FREQUENCY PROCESSING BY THE IDENTIFIED VIBRATORY INTERNEURONS IN A NON-HEARING ENSIFERA (*TROGLOPHILUS NEGLECTUS*; RHAPHIDOPHORIDAE) AND ITS BEHAVIOURAL CORRELATES  
*N. Stritih, Ljubljana, Slovenia*
- T23-12B** MONOAMINERGIC INNERVATION OF NPY-IMMUNOREACTIVE NEURONS IN THE RAT AMYGDALA: A NEUROANATOMICAL STUDY  
*M. R. Bonn, E. S. Asan, Würzburg*
- T23-13B** THE ACCESSORY MEDULLA IN THE OPTIC LOBES OF BUTTERFLIES: TOWARDS THE SOLUTION OF A HOMOLOGUE PROBLEM IN A PUTATIVE CIRCADIAN PACEMAKER NEUROPIIL  
*T. Reischig, Göttingen*



- T23-14B** PROTEIN KINASE C DEPENDENT CONNECTIVITY AND ACTIVITY DYNAMICS IN DEVELOPING CORTICAL NETWORKS  
*S. Okujeni, S. Kandler, O. Weihberger, U. Egert, Freiburg*

## Saturday

- T23-1C** TWO INDEPENDENT CORTICAL SUBNETWORKS CONTROL SPIKE TIMING IN LAYER 5 NEURONS DURING DYNAMIC OSCILLATION SHIFTS  
*K. van Aerde, E. Mann, C. Canto, K. Linkenkaer-Hansen, M. van der Roest, A. Mulder, O. Paulsen, A. Brussaard, H. Mansvelder, Amsterdam, Netherlands*
- T23-2C** IDENTIFICATION OF LONG-RANGE CALCIUM WAVES IN THE MOUSE CORTEX  
*H. Adelsberger, S. Fischer, A. Konnerth, München*
- T23-3C** IMPAIRED GAMMA FREQUENCY OSCILLATIONS IN THE ENTORHINAL CORTEX IN A MOUSE MODEL OF MESIAL TEMPORAL LOBE EPILEPSY  
*S. Gurgenidze, T. Dugladze, U. Heinemann, T. Gloveli, Berlin*
- T23-4C** TRANSIENT OSCILLATIONS IN ONGOING ACTIVITY  
*D. H. Snijders, J. F. Hipp, A. K. Engel, Hamburg*
- T23-5C** MODULATION OF STIMULUS EFFICACY BY ONGOING ACTIVITY AND REPRODUCIBILITY BY ONLINE-INTERACTION WITH NEURONAL NETWORKS IN VITRO  
*O. Weihberger, S. Okujeni, U. Egert, Freiburg*
- T23-6C** HOW IONIC CONDUCTANCES AFFECT THE TEMPORAL PRECISION OF ACTION POTENTIALS  
*S. Schreiber, H. Sprekeler, Berlin*
- T23-7C** STRUCTURAL AND FUNCTIONAL EMBEDDING OF INDIVIDUAL NEURONS INTO CULTURED NEURONAL NETWORKS  
*S. Kandler, S. Okujeni, S. Reinartz, U. Egert, Freiburg*
- T23-8C** CONCURRENT EXPRESSION OF TWO MUTUALLY EXCLUSIVE LOCOMOTOR PATTERNS - WALKING AND FLIGHT IN THE LOCUST  
*E. Buhl, P. A. Stevenson, Leipzig*
- T23-9C** COMPARISON OF MORPHOLOGICAL AND ELECTROPHYSIOLOGICAL CELL PROPERTIES IN DIFFERENT SEGMENTS OF THE MEDICINAL LEECH  
*T. Sacher, K. Dedek, J. Kretzberg, Oldenburg*
- T23-10C** DOPAMINERGIC SILENCING OF SPONTANEOUS NETWORK ACTIVITY IN THE DEVELOPING ZEBRAFISH SPINAL CORD  
*K. Tossell, J. R. McDearmid, Leicester, United Kingdom*
- T23-11C** MULTI-TRANSISTOR ARRAY RECORDING OF FIELD POTENTIALS IN ACUTE HIPPOCAMPAL SLICES AT HIGH SPATIAL RESOLUTION  
*C. Stangl, P. Fromherz, Martinsried*

- T23-12C** DETERMINATION OF SINGULAR ACTIVITY PATTERNS OF FUNCTIONAL NEURONAL NETWORKS ON MICRO-ELECTRODE ARRAYS  
*O. H.-U. Schroeder, A. Gramowski, K. Jügelt, D. G. Weiss, Rostock*
- T23-13C** HOW NEURAL RESPONSES TO SUPRA-THRESHOLD INPUTS AFFECT CIRCUIT DYNAMICS: DESYNCHRONIZATION VIA PARTIAL RESET  
*C. Kirst, T. Geisel, M. Timme, Göttingen*
- T23-14C** EVIDENCES FOR NITRIC OXIDE/CYCLIC GUANOSINE MONOPHOSPHATE (NO/CGMP) SIGNALLING IN PUTATIVE CIRCADIAN CLOCK NEURONS OF THE COCKROACH *LEUCOPHAEA MADERAE*  
*A. Saul, G. P. Martinelli, T. Reischig, Göttingen*

## T24: Attention, motivation, emotion and cognition

### Thursday

- T24-1A** A SINGLE DOSE OF KETAMINE IMPAIRS ATTENTIONAL SET-SHIFTING IN RATS: AN ANIMAL MODEL OF SCHIZOPHRENIA-LIKE COGNITIVE IMPAIRMENT?  
*A. Nikiforuk, P. Popik, Kraków, Poland*
- T24-2A** WHAT IS „ANTI“ ABOUT ANTI-REACHES? — HOW REFERENCE FRAMES AFFECT REACH REACTION TIMES  
*S. Westendorff, A. Gail, Göttingen*
- T24-3A** NO EVIDENCE OF EMOTIONAL MODULATION OF CONSOLIDATION IN SEQUENCE LEARNING  
*C. Önal, R. Gentner, J. Classen, Würzburg*
- T24-4A** THE AFRICAN SPITTING COBRAS *NAJA PALLIDA* AND *NAJA NIGRICOLLIS* ADJUST THEIR SPITTING PATTERN TO TARGET DISTANCE  
*R. Berthé, H. Bleckmann, G. Westhoff, Bonn*
- T24-5A** SONG FEATURES AS A BASIS OF MATE CHOICE IN A GRASSHOPPER - DO THEY CORRELATE WITH THE CONDITION OF THE MALES?  
*N. Stange, B. Ronacher, Berlin*
- T24-6A** COGNITIVE BINDING DURING GOAL DIRECTED HAND MOVEMENTS  
*A. G. Fleischer, H. Hunger, Hamburg*
- T24-7A** EXPRESSION OF IMMEDIATE EARLY GENES IN LIMBIC BRAIN AREAS OF MALE DA RATS IN TERRITORIAL AGGRESSION  
*C. Arlt, U. Dicke, Bremen*
- T24-8A** THE INHIBITION OF OXYTOCIN-INDUCED GROOMING IN RATS BY I.P. APPLICATION OF AMIDE OF A SPECIFIC OXYTOCIN RECEPTOR ANTAGONIST  
*V. Klenerova, M. Flegel, S. Hynie, Prague, Czech Republic*



- T24-9A** CORTICAL NETWORKS OF ATTENTION IN HUMANS AND MACAQUES  
*T. Stemmler, H. Stemmann, W. A. Freiwald, M. Fahle, Bremen*
- T24-10A** TWO LOUDSPEAKERS AND A RAT: AN ULTRASONIC DIALOGUE  
*H. Reich, B. T. Bedenk, M. Wöhr, R. K. Schwarting, Marburg*
- T24-11A** THE SIMON EFFECT IN RATS: A COMBINED BEHAVIORAL AND PET STUDY  
*C. Marx, B. Lex, C. Calaminus, W. Hauber, H. Backes, R. Graf, G. Mies, H. Endepols, Köln*

## Friday

- T24-1B** SINGLE-CELL ACTIVITY AND LOCAL FIELD POTENTIALS IN MONKEY PREFRONTAL CORTEX DURING A SPATIAL PROPORTION DISCRIMINATION TASK  
*D. Vallentin, A. Nieder, Tübingen*
- T24-2B** CODING OF ABSTRACT QUANTITATIVE RULES IN THE MONKEY PREFRONTAL CORTEX  
*S. Bongard, A. Nieder, Tübingen*
- T24-3B** WILL YOU STILL COME IF I CALL YOU? HOW RATS' APPROACH-BEHAVIOUR TOWARDS 50-KHZ VOCALISATIONS IS AFFECTED BY STRIATAL DA DEPLETION  
*G. B. Külz, M. T. Eckart, M. Wöhr, R. K. Schwarting, Marburg*
- T24-4B** DAD MATTERS, TOO! PATERNAL CARE STIMULATES BEHAVIORAL DEVELOPMENT AND NEURONAL MATURATION IN THE ORBITOFRONTAL CORTEX OF HIS OFFSPRING  
*K. Seidel, C. Helmeke, T. W. Bredy, A. Abraham, K. Braun, Magdeburg*
- T24-5B** SPLITTING THE SPOTLIGHT OF ATTENTION DURING MULTIPLE-OBJECT TRACKING  
*R. Niebergall, P. Khayat, S. Treue, J. Martinez-Trujillo, Montreal, Canada*
- T24-6B** PRINCIPAL COMPONENTS FACTOR ANALYSIS OF DIFFERENT BEHAVIOURAL AND NEUROCHEMICAL ITEMS IN MICE - A METHOD TO REVEAL CONTEXTUAL RELATIONS OF BEHAVIOURS AND NEUROCHEMISTRY  
*M. Jähkel, L. Günther, Dresden*
- T24-7B** BEHAVIORAL AND ELECTROPHYSIOLOGICAL CHANGES IN RATS FOLLOWING NINE WEEKS INTRATRACHEAL EXPOSURE TO MANGANESE DIOXIDE NANOPARTICLES  
*T. Vezér, L. Sárközi, L. Nagymajtényi, A. Papp, Szeged, Hungary*
- T24-8B** DISTINCT NEURONAL SUBTYPES OF THE INTERCALATED CELL MASSES OF THE AMYGDALA PROVIDE NOVEL INTRA- AND EXTRA-AMYGDALA GABAERGIC CONNECTIONS  
*D. Busti, R. Geracitano, Innsbruck, Austria*



- T24-9B** OPTOGENETIC INVESTIGATION OF NERVOUS SYSTEM FUNCTION USING WALKING BEHAVIOUR IN *DROSOPHILA*  
*N. Singhal, E. Buchner, A. Fiala, Würzburg*
- T24-10B** APPLICATION OF NEURON MEAN FIELD MODELS IN THE STUDY OF PSYCHOPHYSIOLOGICAL BEHAVIOR: THE CASE OF SELECTIVE ATTENTION AND HABITUATION  
*C. Trenado, L. Haab, Y. F. Low, W. Delb, D. J. Strauss, Homburg/Saar*
- T24-11B** REPRESENTATIONS OF LARGE NUMEROSITY IN HUMANS AND MONKEYS ON THE BEHAVIORAL AND NEURONAL LEVEL  
*K. Merten, A. Nieder, Tübingen*
- T24-12B** INFLUENCE OF THE DOPAMINERGIC SYSTEM ON EMOTIONAL ACOUSTIC PROCESSES OF EVALUATION IN THE BRAIN OF THE HOUSE MOUSE (*MUS MUSCULUS DOMESTICUS*)  
*K. Hochleiter, G. Ehret, Ulm*
- T24-13B** ARE GENDER-SPECIFIC ORIENTATION STRATEGIES UNIVERSAL AMONG MAMMALS? - NEW CLUES FROM A BAT MODEL  
*D. Schmidtke, K.-H. Esser, Hannover*

## Saturday

- T24-1C** NOTATION-INDEPENDENT ENCODING OF PROPORTIONS IN THE HUMAN FRONTOPARIETAL CORTEX DETERMINED BY FMRI ADAPTATION  
*S. N. Jacob, A. Nieder, Tübingen*
- T24-2C** INTERACTION BETWEEN EXPECTATION AND REWARD IN THE HUMAN VISUAL SYSTEM  
*P. Kallerhoff, A. Hollaender, K. Obermayer, J.-D. Haynes, Berlin*
- T24-3C** NEURAL CORRELATES OF CONSCIOUSNESS - INSIGHTS FROM SLEEP IMAGING  
*M. Dresler, R. Wehrle, V. I. Spoormaker, S. Koch, F. Holsboer, A. Steiger, H. Obrig, P. G. Sämann, M. Czisch, München*
- T24-4C** FEATURE-BASED ATTENTION SHIFTS THE DIRECTIONAL TUNING CURVES OF MT NEURONS TOWARDS THE ATTENDED FEATURE  
*M. R. Daliri, V. Kozyrev, S. Treue, Göttingen*
- T24-5C** OPTOGENETIC INVESTIGATION OF NERVOUS SYSTEM FUNCTION USING WALKING BEHAVIOUR IN *DROSOPHILA*  
*N. Singhal, E. Buchner, A. Fiala, Würzburg*
- T24-6C** ATTENTIONAL ALTERATION OF DIRECTION TUNING OF NEURONS IN MACAQUE AREA MT TO TRANSPARENT MOTION  
*A. Lochte, V. M. Stephan, V. Kozyrev, S. Treue, Göttingen*



- T24-7C** AGONISTIC COMMUNICATION CALLS TRIGGER AMYGDALOID NEURONS IN THE BAT SPECIES *PHYLLOSTOMUS DICOLOR*  
S. von den Berg, K.-H. Esser, Hannover
- T24-8C** LATERALIZED CATEGORY-SPECIFIC COGNITION IN A „PEOPLE-PRESENT/PEOPLE-ABSENT“ DISCRIMINATION TASK BY PIGEONS  
A. Seid-Fatemi, R. Adam, N. Freund, O. Güntürkün, Bochum
- T24-9C** IN SEARCH OF THE IDEAL RAT MODEL: A COMPARATIVE STUDY ON ULTRASONIC CALLS IN THREE STRAINS OF MALE RATS  
C. Natusch, R. K. Schwarting, Marburg
- T24-10C** LEARNING-INDUCED CHANGES OF AN ATTENTIONAL CHECK-UP MECHANISM OF INTERVAL TIMING IN NON-HUMAN PRIMATES  
K. Folta, D. Grube, T. Rammsayer, K. Keller, T. Daldrup, S. Treue, Hildesheim
- T24-11C** A COMPUTATIONAL FRAMEWORK FOR THEORIES OF NEGATIVE PRIMING  
J. M. Herrmann, H. Schrobsdorff, M. Ihrke, J. Behrendt, H. Gibbons, M. Hasselhorn, Edinburgh, United Kingdom
- T24-12C** ON THE INSIGHTS OF COGNITIVE NEUROSCIENCE FOR ECONOMIC THEORY AND RESEARCH  
I. M. Welppe, München

## T25: Learning and memory

### Thursday

- T25-1A** SYNCHRONIZED THETA BURST STIMULATION IN THE CA1 REDUCES FREEZING IN A MOUSE MODEL OF FEAR EXTINCTION  
R. T. Narayanan, T. Seidenbecher, J. Lesting, H.-C. Pape, Münster
- T25-2A** SYNAPTIC INHIBITION OF PURKINJE CELLS GUIDES CONSOLIDATION OF MOTOR MEMORIES  
P. Wulff, M. Schonewille, M. Renzi, L. Viltono, M. Sassoe-Pognetto, A. Badura, Z. Gao, F. Hoebeek, S. Van Dorp, W. Wisden, M. Farrant, C. De Zeeuw, Aberdeen, United Kingdom
- T25-3A** TRACE CONDITIONING IN HARNESSSED HONEYBEES - BEHAVIOR AND PHYSIOLOGY  
P. Szyszka, L. Sommer, B. Birnbach, S. Biergans, A. F. Silbering, C. G. Galizia, Konstanz
- T25-4A** SLEEP IN HONEYBEES: SEARCHING FOR THE ROLE OF SLEEP IN MEMORY CONSOLIDATION  
E. Bogusch, N. Schmitt, R. Menzel, Berlin

- T25-5A** KNOWLEDGE TRANSFER DEPENDING ON TASK DIFFICULTY  
*S. Kurt, G. Ehret, Ulm*
- T25-6A** INHIBITORY MECHANISMS MAY BE INVOLVED IN THE CONTROL OF THE SENSITIVE PERIOD FOR SEXUAL IMPRINTING IN THE ZEBRA FINCH  
*H.-J. Bischof, E. Voutchkov, Bielefeld*
- T25-7A** IMPROVEMENT OF AUDITORY DISCRIMINATION LEARNING BY GINKGO BILOBA EXTRACT EGB761®  
*H. Schulze, C. K. Moeller, S. Kurt, H. Scheich, Erlangen*
- T25-8A** NEED FOR SPEED: CONDITIONS FOR THE FORMATION OF AN IMPLICIT MEMORY IN *DROSOPHILA MELANOGASTER*  
*B. Kienitz, R. Strauss, Mainz*
- T25-9A** EFFECTS OF ASTEMIZOLE ON RAT HIPPOCAMPAL NETWORK OSCILLATIONS  
*S. Fano, U. Heinemann, Berlin*
- T25-10A** DOPAMINE MODULATED PLASTICITY ENABLES TD LEARNING IN A SPIKING ACTOR-CRITIC NEURAL NETWORK MODEL  
*W. Potjans, A. Morrison, M. Diesmann, Wako City, Japan*
- T25-11A** THE ROLE OF PROTEIN SYNTHESIS DURING LTP-REINFORCEMENT AND MEMORY FORMATION UNDER DIFFERENT LEARNING PARADIGMS  
*V. Korz, J. U. Frey, Magdeburg*
- T25-12A** HIPPOCAMPAL ACTIVATION OF IMMEDIATE EARLY GENES ZENK AND C-FOS IN ZEBRA FINCHES (*TAENIOPYGIA GUTTATA*) DURING LEARNING AND RECALL OF A SPATIAL MEMORY TASK  
*U. Mayer, S. Watanabe, H.-J. Bischof, Bielefeld*
- T25-13A** ASSOCIATIVE LEARNING IS IMPAIRED UPON LACK OF THE PRESYNAPTIC PROTEIN SAP47  
*T. Saumweber, B. Michels, D. Bucher, N. Funk, D. Reisch, G. Krohne, S. Wegener, E. Buchner, B. Gerber, Würzburg*
- T25-14A** STRESS ACTIVATED PROTEIN KINASE IN LEARNING AND MEMORY OF HONEYBEE: IMPLICATIONS FOR A ROLE IN SLEEP  
*J. Iqbal, U. Mueller, Saarbrücken*

## Friday

- T25-1B** MOLECULAR MECHANISM OF SYNAPSIN ACTION IN ASSOCIATIVE LEARNING OF LARVAL *DROSOPHILA*  
*Y.-C. Chen, B. Michels, D. Mishra, E. Buchner, B. Gerber, Würzburg*
- T25-2B** THE EFFECT OF OVARIAN HORMONES ON STRATEGY CHOICE IN THE MORRIS WATER TASK AND ON NEUROGENESIS IN THE HIPPOCAMPUS  
*J. Rummel, Berlin*



- T25-3B** NUTRITION AFFECTS HISTONE MODIFICATIONS AND APPETITIVE LEARNING IN HONEYBEE  
*B. M. Heidtmann, U. Mueller, Saarbrücken*
- T25-4B** MODIFICATION OF OLFACTORY LEARNING AND MEMORY INDUCED BY RNA INTERFERENCE TARGETING ALPHA7 NICOTINIC ACETYLCHOLINE SUBUNIT IN THE HONEYBEE  
*T. Louis, A. Ahier, V. Raymond-Delpech, M. Gauthier, Toulouse, France*
- T25-5B** STRESS ACTIVATED CASCADES IN HONEYBEES: ROLE IN LEARNING AND MEMORY FORMATION  
*K. Rether, U. Mueller, Saarbrücken*
- T25-6B** CHROMATIN REMODELLING: PROTEIN ACETYLATION FACILITATES MEMORY FORMATION IN HONEYBEE  
*T. Martin, K. Merschbaecher, J. Haettig, U. Mueller, Saarbrücken*
- T25-7B** STABILITY AND PLASTICITY OF TRANSIENT HIPPOCAMPAL CELL ASSEMBLIES STUDIED BY SELF-ORGANIZING MAPS  
*M. Both, S. Reichinnek, A. von Kameke, F. Böhner, A. Draguhn, Heidelberg*
- T25-8B** FLUORESCENCE MICROSCOPY USED TO VISUALIZE SPONTANEOUS HIGH-FREQUENCY NETWORK OSCILLATIONS IN HIPPOCAMPAL SLICES FROM MOUSE AND RAT  
*S. Reichinnek, A. von Kameke, A. Draguhn, M. T. Hasan, M. Both, Heidelberg*
- T25-9B** CIRCADIAN RHYTHMICITY AND OLFACTORY LEARNING IN THE HONEYBEE (*APIS MELLIFERA*)  
*M. Lehmann, D. Gustav, C. G. Galizia, Konstanz*
- T25-10B** CHARACTERIZATION OF A C-FOS REPORTER MOUSE FOR *IN VIVO* IMAGING  
*M. Peter, S. Rumpel, Wien, Austria*
- T25-11B** CONDITIONED MEMORY OF COMPLEX SOUNDS DEPENDS ON THE AUDITORY CORTEX  
*J. Tinter, S. Rumpel, Vienna, Austria*
- T25-12B** DEVELOPMENT OF AVOIDANCE BEHAVIOR: ROLE OF THE FUNCTIONAL ACTIVITY OF THE MEDIAL AND LATERAL SEPTUM.  
*A. Riedel, M. Gruss, J. Bock, K. Braun, Magdeburg*
- T25-13B** SMELLS LIKE HOME: OLFACTORY LANDMARKS IN DESERT ANTS *CATAGLYPHIS*  
*K. Steck, M. Knaden, B. S. Hansson, Jena*
- T25-14B** HEAT RESPONSES MEASURED BY BOLD FMRI TO STUDY INITIAL PROCESSES OF CHRONIC PAIN  
*N. J. Motzkus, M. Sergejeva, L. Budinsky, K. Brune, A. Hess, Erlangen*
- T25-15B** SINGLE-TRIAL PHASE PRECESSION IN THE HIPPOCAMPUS  
*R. Schmidt, K. Diba, C. Leibold, D. Schmitz, G. Buzsaki, R. Kempter, Berlin*

- T25-16B** MODULATION OF EXTRACELLULAR MONOAMINE TRANSMITTER CONCENTRATIONS IN THE RAT HIPPOCAMPUS AFTER WEAK OR STRONG TETANIZATION OF THE PERFORANT PATH  
*F. Neugebauer, V. Korz, J. U. Frey, Magdeburg*

## Saturday

- T25-1C** ESTIMATION OF HOMING DISTANCE IN DESERT ANTS REMAINS UNAFFECTED BY SEVERE DISTURBANCES OF WALKING BEHAVIOUR  
*M. Wittlinger, K. Steck, H. Wolf, Pasadena, USA*
- T25-2C** APPETITIVE AND AVERSIVE REINFORCEMENT INTEGRATION AND THEIR NATURE OF INTERACTION DURING AUDITORY LEARNING  
*A. Ilango, W. Wetzel, H. Scheich, F. W. Ohl, Magdeburg*
- T25-3C** PROTEASOME ACTIVITY RESTRICTS LONG-TERM MEMORY FORMATION IN HONEYBEES (*APIS MELLIFERA*)  
*J. Felsenberg, S. Kauffmann, D. Eisenhardt, Berlin*
- T25-4C** OPERANT LEARNING IN LARVAL *DROSOPHILA*?  
*C. Eschbach, B. Gerber, Würzburg*
- T25-5C** HOW TO RESUME AN APPROACH AFTER A DETOUR - A SPATIAL ORIENTATION MEMORY IN *DROSOPHILA MELANOGASTER*  
*K. Neuser, B. Poeck, T. Triphan, R. Strauss, Mainz*
- T25-6C** INTERACTION OF LONG-TERM PLASTICITY AND STRUCTURAL PLASTICITY FOR CORTICAL MAP FORMATION  
*M. Butz, F. Woergoetter, Göttingen*
- T25-7C** GLOMERULAR PLASTICITY RELATED TO OLFACTORY LONG-TERM MEMORY IN THE ANTENNAL LOBE OF HONEYBEES  
*J.-C. Sandoz, B. Hourcade, P. Emmanuel, J.-M. Devaud, Toulouse, France*
- T25-8C** ASSOCIATIVE LEARNING MODULATES THE TOTAL AMOUNT OF AMCREB IN THE HONEYBEE  
*D. Eisenhardt, J. Felsenberg, S. Dieke, K. Gehring, A. Noelle, M. Karrenbrock, Berlin*
- T25-9C** EFFECTS OF HIPPOCAMPUS-DEPENDENT PASSIVE AVOIDANCE LEARNING ON FREEZING BEHAVIOUR AND NCAM180 EXPRESSION IN THE DOMESTIC FOWL (*GALLUS GALLUS DOMESTICUS*)  
*S. Petow, A. Grund, I. Meier, E. T. Krause, Celle*
- T25-10C** PLACE LEARNING VS. ROUTE LEARNING IN RODENTS - AN OPERATIONAL APPROACH  
*D. Seffer, J. Thiele, J. Wiener, H. A. Mallot, Tübingen*
- T25-11C** SELF-ORGANIZING CONTROL IN AUTONOMOUS ROBOTS AND INTELLIGENT PROSTHESES  
*F. Hesse, G. Martius, R. Der, J. M. Herrmann, Göttingen*



- T25-12C** ELECTRICAL STIMULATION OF LATERAL HABENULA VS. VENTRAL TEGMENTAL AREA PRODUCES OPPOSITE EFFECTS ON AVOIDANCE LEARNING  
*J. Shumake, A. Ilango, W. Wetzel, H. Scheich, F. W. Ohl, Magdeburg*
- T25-13C** COMPLEX ASSOCIATIONS IN PIGEONS: THE ABILITY TO COMBINE TWO VISUAL DIMENSIONS  
*K. Brodmann, N. Freund, M. Manns, O. Güntürkün, Bochum*
- T25-14C** FMRI OF A MACAQUE MONKEY PERFORMING AN OBJECT WORKING MEMORY TASK  
*W. Zinke, A. Kreiter, Bremen*
- T25-15C** THE RATIO OF REINFORCED AND NON-REINFORCED CONDITIONED STIMULI INFLUENCES ODOUR RESPONSES IN HONEYBEES (*APIS MELLIFERA*)  
*L. Rath, D. Gustav, C. G. Galizia, W. Kutsch, Konstanz*
- T25-16C** ODOUR AVOIDANCE AFTER CONDITIONING OF THE STING EXTENSION RESPONSE IN HONEYBEES  
*J. Carcaud, E. Roussel, M. Giurfa, J.-C. Sandoz, Toulouse Cedex 09, France*

## T26: Computational neuroscience

### Thursday

- T26-1A** CORRELATIONS AND SYNCHRONY IN THRESHOLD NEURON MODELS  
*T. Tchumatchenko, A. Malyshev, T. Geisel, M. Volgushev, F. Wolf, Göttingen*
- T26-2A** SENSORY SPACE REPRESENTATIONS BASED ON MOTOR CAPABILITIES  
*R. Martin, D. Weiller, S. Dähne, A. K. Engel, P. König, Osnabrück*
- T26-3A** A MODEL OF THE NEURONAL CIRCUIT OF A FIGURE DETECTION CELL IN THE VISUAL SYSTEM OF THE FLY  
*P. Hennig, R. Kern, M. Egelhaaf, Bielefeld*
- T26-4A** CONNECTIVITIES AND STRUCTURES OF THE RAT CENTRAL NERVOUS SYSTEM  
*O. Schmitt, P. Eipert, E. Virtel, C. Philipp, Rostock*
- T26-5A** HUGE NEURAL NETS, BIOMORPH, BASED ON ENGRAMS AND FRACTAL CONNECTIVITY  
*T. Kromer, Zwiefalten*
- T26-6A** COMPENSATING FOR TEMPORAL VARIATION IN EVENT-RELATED POTENTIAL ANALYSIS  
*M. Ihrke, H. Schrobsdorff, J. M. Herrmann, Göttingen*
- T26-7A** LEARNING AS A CAUSE FOR AGING IMPAIRMENTS  
*H. Schrobsdorff, M. Ihrke, J. Behrendt, H. Gibbons, M. Hasselhorn, J. M. Herrmann, Göttingen*

- T26-8A** STABILITY ANALYSIS OF PULSE-COUPLED OSCILLATORS WITH DELAY  
*M. Zeitler, A. Daffertshofer, S. Gielen, Nijmegen, Netherlands*
- T26-9A** CONTRALATERAL EYE DOMINANCE INDUCES PINWHEEL CRYSTALLIZATION IN MODELS OF VISUAL CORTICAL DEVELOPMENT  
*L. Reichl, S. Loewel, F. Wolf, Göttingen*
- T26-10A** HOW DO AXONAL INITIATION AND BACKPROPAGATION SHAPE AP WAVEFORMS IN CORTICAL NEURONS?  
*M. Huang, F. Wolf, Göttingen*
- T26-11A** SUPERVISED SPIKE-TIMING DEPENDENT PLASTICITY - A NEW NEURONAL LEARNING RULE FOR DECISIONS AND FUNCTION APPROXIMATION USING SPATIO-TEMPORAL INPUT  
*J. P.-M. Franosch, S. Urban, J. L. van Hemmen, Garching*
- T26-12A** DYNAMIC ACTION POTENTIAL ENCODING IN SPATIALLY EXTENDED NEURONS FROM AN ANALYTICAL TRACTABLE MODEL  
*W. Wei, F. Wolf, Göttingen*
- T26-13A** PHASE DIFFERENCES IN LOCAL FIELD POTENTIALS FROM MACAQUE MONKEY AREA V4 PREDICT ATTENTIONAL STATE IN SINGLE TRIALS WITH 99.6% ACCURACY  
*D. Rotermund, S. Neitzel, K. Taylor, U. A. Ernst, S. Mandon, K. R. Pawelzik, A. K. Kreiter, Bremen*
- T26-14A** INFLUENCE OF FACILITATION AND CONNECTIVITY PATTERN ON THE CRITICALITY IN NEURAL NETWORKS  
*O. Stetter, A. Levina, J. M. Herrmann, T. Geisel, Göttingen*
- T26-15A** SPIKE SORTING ERRORS: STATISTICAL DIFFERENCES OF CORTICAL 'SINGLE UNIT' AND 'SINGLE NEURON' ACTIVITY  
*M. P. Nawrot, Berlin*
- T26-16A** DECODING OF MOTIONS WITH MULTIELECTRODE DATA ACQUIRED FROM A RETINAL GANGLION CELL POPULATION  
*A. Cerquera, M. Greschner, J. Freund, Oldenburg*
- T26-17A** STABLE INFORMATION PROCESSING IN SPIKING NEURAL NETWORKS BY SYNCHRONIZATION  
*A. Koleski, Hamburg*

## Friday

- T26-1B** CHAOTIC DYNAMICS IN BALANCED NEURAL NETWORKS  
*M. Kreissl, S. Löwel, F. Wolf, Göttingen*
- T26-2B** THE IMPACT OF TARGET TYPE SELECTION ON THE STABILITY OF LAYERED CORTICAL NETWORK DYNAMICS  
*T. C. Potjans, M. Diesmann, Wako City, Japan*



- T26-3B** DUAL MEASURES FOR ASSEMBLY ACTIVATION BASED ON THE LFP AND SPIKE COINCIDENCES  
*M. Denker, S. Roux, A. Riehle, M. Diesmann, S. Grün, Wako-Shi, Japan*
- T26-4B** SPIKE FREQUENCY ADAPTION REDUCES NOISE IN NEURAL ENSEMBLE ACTIVITY  
*F. Farkhooi, M. P. Nawrot, Berlin*
- T26-5B** SELF-SUSTAINED CELL ASSEMBLIES IN STRUCTURALLY PLASTIC NETWORKS  
*M. Helias, S. Rotter, M.-O. Gewaltig, M. Diesmann, Freiburg*
- T26-6B** FUNCTIONAL CONSEQUENCES OF CORRELATED EXCITATION AND INHIBITION ON SINGLE NEURON INTEGRATION AND SIGNAL PROPAGATION THROUGH SYNFIRES CHAINS  
*J. Kremkow, L. Perrinet, G. S. Masson, A. Aertsen, Marseille, France*
- T26-7B** TIME-DRIVEN SIMULATION AS AN EFFICIENT APPROACH TO DETECTING THRESHOLD CROSSINGS IN PRECISELY SPIKING NEURONAL NETWORK MODELS  
*S. Kunkel, A. Hanuschkin, M. Helias, A. Morrison, M. Diesmann, Freiburg*
- T26-8B** SPATIALLY ORGANIZED HIGHER-ORDER SPIKE SYNCHRONY IN CAT AREA 17  
*D. J. Berger, C. Borgelt, M. Diesmann, G. Gerstein, S. Grün, Berlin*
- T26-9B** IDENTIFICATION OF NEURONS PARTICIPATING IN CELL ASSEMBLIES  
*S. Grün, D. Berger, C. Borgelt, Wako-Shi, Japan*
- T26-10B** THE NONLINEAR RESPONSE OF A SPIKING NEURON TO A TRANSIENT STIMULUS  
*T. Schwalger, S. Goedeke, M. Diesmann, Dresden*
- T26-11B** REDUCTION OF SCATTERED LIGHT BY MÜLLER CELLS IN THE HUMAN RETINA  
*O. Bendix, R. Fleischmann, T. Geisel, Göttingen*
- T26-12B** CLUSTERED NETWORK TOPOLOGY AND NOISE DIRECTLY INFLUENCE QUASI-STABLE BURSTING BEHAVIOUR  
*S. J. Jarvis, S. Rotter, U. Egert, Freiburg*
- T26-13B** STRUCTURAL PLASTICITY IN RECURRENT CORTICAL NETWORKS  
*M. Deger, M. Helias, M. Diesmann, S. Rotter, Freiburg*
- T26-14B** AN EVALUATION OF DIFFERENT COPULA MODELS FOR THE SHORT-TERM NOISE DEPENDENCE OF SPIKE COUNTS  
*A. Onken, S. Grünewälder, M. Munk, K. Obermayer, Berlin*
- T26-15B** ANAESTHESIA MONITORING BY RECURRENCE QUANTIFICATION ANALYSIS OF EEG DATA  
*K. Becker, M. Eder, S. Gerhard, R. Andreas, K. Eberhard, Z. Walter, D. Hans-Ulrich, Vinná, Austria*



## Saturday

- T26-1C** EFFICIENT PROBABILISTIC WIRING OF SPATIAL NEURONAL NETWORK USING WALKER'S ALIAS METHOD  
*H. E. Plesser, K. Austvoll, Aas, Norway*
- T26-2C** VALIDATING SYSTEM IDENTIFICATION MODELS OF THE LOCUSTS HIND LEG REFLEX CONTROL LOOP USING WALKING AND SINUSOIDAL INPUTS  
*O. P. Dewhirst, D. Simpson, R. Allen, P. L. Newland, Southampton, United Kingdom*
- T26-3C** DYNAMICS OF CORTICAL NETWORKS INCLUDING LONG-RANGE PATCHY CONNECTIONS  
*N. Voges, L. Perrinet, Marseille, France*
- T26-4C** NEURALENSEMBLE: TOWARDS A META-ENVIRONMENT FOR NETWORK MODELING AND DATA ANALYSIS  
*P. Yger, D. Brüderle, J. Eppler, J. Kremkow, D. Pecevski, L. Perrinet, M. Schmuker, E. Muller, A. Davison, Gif sur Yvette, France*
- T26-5C** REORGANIZATION OF NEURONAL CIRCUITS IN GROWING VISUAL CORTEX  
*W. Keil, S. Löwel, F. Wolf, M. Kaschube, Göttingen*
- T26-6C** INTERACTING POINT PROCESSES AND NEURONAL MODELING  
*S. Cardanobile, S. Rotter, Freiburg*
- T26-7C** MODELING FREE MONKEY SCRIBBLING BY THE PROPAGATION OF SYNCHRONOUS ACTIVITY  
*A. Hanuschkin, J. M. Herrmann, A. Morrison, M. Diesmann, Freiburg*
- T26-8C** COUNT VARIABILITY IN DOUBLY STOCHASTIC POINT PROCESSES  
*O. Muthmann, S. Cardanobile, S. Rotter, Freiburg*
- T26-9C** FREQUENCY-INVARIANT ENCODING OF INTERAURAL TIME DIFFERENCES IN THE DNLL OF GERBILS  
*H. Lüling, I. Siveke, B. Grothe, C. Leibold, Planegg-Martinsried*
- T26-10C** MOTION PROCESSING WITH WIDE-FIELD NEURONS IN THE RETINO-TECTO-ROTUNDAL PATHWAY  
*B. K. Dellen, J. W. Clark, R. Wessel, F. Wörgötter, Göttingen*
- T26-11C** PROPERTIES OF SIMILARITY MEASURES FOR NEURAL SPIKE TRAINS  
*C. M. Pix, J. Benda, Planegg-Martinsried*
- T26-12C** MODELLING THALAMO-CORTICAL NETWORK OSCILLATIONS TO STUDY STRUCTURES IN REAL EEG DATA: THE MATHEMATICAL MODEL AS A BRIDGE BETWEEN MICROSCOPIC AND MACROSCOPIC DYNAMICS  
*R. Mueller, M. Weiergraeber, S. Popovych, J. Klosterkoetter, T. Kuepper, T. Schneider, A. Brockhaus-Dumke, Köln*



- T26-13C** DETECTING ASSEMBLY-ACTIVITY IN MASSIVELY PARALLEL SPIKE TRAINS  
*I. C. Reimer, B. Staude, S. Rotter, Freiburg*
- T26-14C** NEURAL MODEL FOR THE VISUAL TUNING PROPERTIES OF ACTION-SELECTIVE NEURONS IN PREMOTOR CORTEX  
*F. Fleischer, A. Casile, M. A. Giese, Tübingen*
- T26-15C** COMPUTATIONAL MODELING OF THE DROSOPHILA NEUROMUSCULAR JUNCTION  
*M. M. Knodel, D. Bucher, C. Schuster, G. Wittum, Frankfurt/M.*
- T26-16C** TEMPORAL PROCESSING IN PERCEPTION AND ACTION  
*J. Hass, S. Blaschke, T. Rammsayer, J. M. Herrmann, Göttingen*

## T27: Techniques and demonstrations

### Saturday

- T27-1A** VESICLE TRACKING IN NEURONES USING AN ALKALOID OF MARINE ORIGIN AS MARKER  
*U. Bickmeyer, M. Heine, Helgoland*
- T27-2A** PREPARATIONS OF THE MOUSE SPINAL CORD FOR IN VIVO IMAGING BY 2-PHOTON LASER-SCANNING MICROSCOPY  
*H. Steffens, F. Nadrigny, P. Dibaj, C. Neusch, E. D. Schomburg, F. Kirchhoff, Göttingen*
- T27-3A** IDENTIFYING PRESYNAPTIC CIRCUITRY OF LOBULA PLATE TANGENTIAL CELLS BY SERIAL BLOCK FACE SCANNING EM  
*C. Kapfer, S. Chen, N. Maack, W. Denk, A. Borst, Martinsried*
- T27-4A** CONSTRUCTION OF A CUSTOM-MADE MULTI-CHANNEL-ELECTRODE FOR INVESTIGATIONS OF FREQUENCY INTEGRATION IN THE BARN OWL'S MIDBRAIN  
*D. Lengersdorf, M. Singheiser, M. Happel, F. Ohl, H. Wagner, Aachen*
- T27-5A** FUNCTIONAL MRI ON TRANSGENIC MICE - GENETIC MODIFICATION IN THE PAIN SYSTEM  
*C. Heindl-Erdmann, R. Axmann, J. Penninger, G. Kollias, S. Kreitz, J. Zwerina, G. Schett, K. Brune, A. Hess, Erlangen*
- T27-6A** COMPARISON OF APPETITIVE AND AVERSIVE REINFORCEMENT IN AN AUDITORY DISCRIMINATION TASK IN MICE  
*A. Kolodziej, W. Wetzel, A. Ilango, F. W. Ohl, Magdeburg*
- T27-7A** NOVEL CRE COMPLEMENTATION INDICATES COINCIDENT ACTIVITY OF DIFFERENT GENES *IN VIVO*  
*J. Hirrlinger, A. Scheller, P. G. Hirrlinger, B. Kellert, W. Tang, M. C. Wehr, S. Goebbels, A. Reichenbach, R. Sprengel, M. J. Rossner, F. Kirchhoff, Leipzig*

- T27-8A** SIMULTANEOUS BEHAVIORAL AND ELECTROPHYSIOLOGICAL RECORDING IN FREELY MOVING AWAKE RATS BY A NOVEL METHOD  
*A. Papp, Szeged, Hungary*

## Friday

- T27-1B** HIGH-RESOLUTION MAPPING OF NEURONAL ACTIVITY USING THE LIPOPHILIC THALLIUM CHELATE COMPLEX TLDDC - COMPARISON WITH THE 2-DEOXYGLUCOSE METHOD  
*H. Lison, E. Budinger, H. Scheich, J. Goldschmidt, Magdeburg*
- T27-2B** HIGH-RESOLUTION MAPPING OF NEURONAL ACTIVITY USING THE LIPOPHILIC THALLIUM CHELATE COMPLEX TLDDC - TRACER KINETICS  
*J. Goldschmidt, T. Wanger, H. Scheich, Magdeburg*
- T27-3B** RELACS - A MODULAR SOFTWARE PLATFORM FOR CLOSED-LOOP AND DYNAMIC CLAMP EXPERIMENTS  
*J. Benda, Martinsried*
- T27-4B** NOVEL SENSOR PROTEINS AS TOOLS FOR IN VIVO OPTICAL IMAGING OF CAMP DYNAMICS IN *DROSOPHILA* BRAIN  
*A. Kapustjanskij, M. Heisenberg, M. J. Lohse, V. Nikolaev, A. Fiala, Würzburg*
- T27-5B** TARGETED-ESTERASE-INDUCED DYE LOADING (TED): A NEW NON-DISRUPTIVE STRATEGY TO TARGET CALCIUM INDICATOR DYES TO THE ENDOPLASMIC RETICULUM  
*R. Blum, A. Lepier, München*
- T27-6B** THE LABORATORY LOGBOOK - DATABASE APPROACH FOR PROJECT DOCUMENTATION  
*J. Grewe, Martinsried*
- T27-7B** AN ONLINE ALGORITHM FOR SIMULTANEOUS SPIKE DETECTION AND SPIKE SORTING BASED ON MATCHED FILTERS AND DECONFUSION  
*M. Natora, F. Franke, S. Dähne, K. Obermayer, Berlin*
- T27-8B** PEPTIDOMICS OF SINGLE IDENTIFIED NEURONS OF THE ARCUATE NUCLEUS OF THE HYPOTHALAMUS  
*S. Neupert, Jena*
- T27-9B** IDENTIFYING ELECTRICALLY ACTIVE CELLS IN NEURONAL CULTURE AND TISSUE USING CMOS BASED MULTI-TRANSISTOR ARRAYS (MTAS)  
*A. Lambacher, V. Vitzthum, G. Zeck, P. Fromherz, Martinsried*

## Saturday

- T27-1C** QUANTITATIVE DENDRITIC ORGANIZATION OF THE RAT DEEP CEREBELLAR NUCLEI: A MAP-2 IMMUNOSTAINING AND LASER SCANNING MICROSCOPIC APPROACH  
*S. Hamodeh, D. Eicke, F. Sultan, Tübingen*



- T27-2C** THALLIUM-AUTOMETALLOGRAPHY IN CHICKEN MIDBRAIN SLICES - A METHOD FOR THE STUDY OF NEUROARCHITECTURE?  
*S. Weigel, C. Ruoff, H. Luksch, Freising*
- T27-3C** WIRELESS RAW DATA ACQUISITION SYSTEM FOR NEURONAL ACTIVITIES FROM FREELY MOVING ANIMALS  
*L. Rafflenbeul, D. Höhl, S. Thomas, S. Rein, R. Werthschützky, A. Gail, Darmstadt*
- T27-4C** PHOTO-ACTIVATION OF NEURONAL TISSUE USING A SPATIAL LIGHT MODULATOR (DMD)  
*C. Boucsein, F. Rau, M. P. Nawrot, A. Aertsen, Freiburg*
- T27-5C** SOUND CARDS AS RECORDING AND PLAYBACK DEVICE IN RESEARCH AND EDUCATION  
*F. Endler, Aachen*
- T27-6C** ANALYSIS OF DISULFIDE-BONDS IN NEUROPEPTIDES BY MEANS OF MALDI-TOF USING THE MATRIX 1,5-DIAMINONAPHTHALENE  
*S. Schattschneider, S. Neupert, R. Predel, Jena*
- T27-7C** MY FIRST NEURON: AN EDUCATIONAL TOOL FOR TEACHING NEURAL COMPUTATION  
*P. Pyk, K. Eng, V. Djambazova, G. Indiveri, Zürich, Switzerland*
- T27-8C** QUANTITATIVE MEASUREMENTS OF cAMP CONCENTRATION WITH A NEW EPAC BASED FRET-SENSOR  
*P. S. Salonikidis, M. Niebert, A. Zeug, D. W. Richter, Göttingen*
- T27-9C** A NOVEL CREERT2 'KNOCK IN' MOUSE LINE TO STUDY GENE FUNCTIONS IN SINGLE PROJECTION NEURONS OF THE MOUSE NEOCORTEX  
*A. Agarwal, M. H. Schwab, K.-A. Nave, Göttingen*





## Authors' Index

The numbers behind the author's name refer to the numbers of the oral or poster presentations, but not to page numbers in this program booklet.

- Abel, C** T17-8A, T17-4B  
**Abidin, I** T8-2B  
**Abou-Jamra, R** S13-1  
**Abraham, A** T2-12B, T24-4B  
**Abramowski, D** T11-3A, T11-18A  
**Ache, JM** T14-6C  
**Achilles, K** T7-9A  
**Ackermann, F** T19-8B  
**Adam, N** T9-6C  
**Adam, R** T24-8C  
**Adamczyk, P** T13-3B  
**Adelsberger, H** T23-2C  
**Aertsen, A** T16-9C, T26-6B, T27-4C  
**Agarwal, A** T8-2C, T27-9C  
**Agte, S** T15-12A, T15-15A  
**Aguado, A** T7-15B, T9-10B  
**Ahier, A** T25-4B  
**Ahlers, M** T15-13C  
**Ahlers, MT** T15-6C  
**Ahmadi, S** T6-5B  
**Ahmed, T** T7-5A  
**Ahrens, B** T2-9B  
**Ahrens, S** T1-2C  
**Ahuja, R** Sat2-4, T7-5A  
**Akinturk, SS** T7-6C  
**Albert, JT** T17-1B  
**Albrecht, D** T8-2A  
**Albrecht, O** T18-7C  
**Albuquerque, B** T1-14C  
**Albus, K** T11-19C  
**Albus, C** T17-6A  
**Alexander, B** S5-2  
**Allen, R** T26-2C  
**Althen, H** T17-4B  
**Althof, D** T5-3B  
**Altrock, WD** T16-13B  
**Alvi, AM** T21-6A  
**Alwin, M** T9-11B  
**Alzheimer, C** T6-2A, T11-21B  
**Amare, A** S17-1  
**Ammermüller, J** T7-2A, T7-9B, T15-1A, T15-11B, T15-6C, T15-13C  
**Anderson, P** T19-3B  
**Andreas, R** T26-15B  
**Andriske, M** T12-8A  
**Angay, O** T15-15B  
**Angenstein, F** T1-4B, T9-9B  
**Anjum, F** T20-5C  
**Annangudi, S** S17-1  
**Antal, A** T16-8B, T21-10B  
**Antkiewicz-Michaluk, L** T13-3B  
**Anton, S** T19-1B, T19-3B, T19-9B  
**Antunes, R** S21-4  
**Aoki, J** T7-7C  
**Appl, T** T13-2B  
**Aramuni, G** T2-7C  
**Aravanis, A** T1-19B  
**Arbogast, P** T15-3C  
**Arendt, T** S9-5, T1-1C, T1-6C, T2-3B, T7-12B, T11-6B, T11-5C, T11-21C  
**Arlt, C** T24-7A  
**Asan, E** T7-16A, T9-12B  
**Asan, ES** T23-12B  
**Aso, Y** S5-7  
**Atorf, J** T15-11A  
**Attard, G** T3-3B  
**Attinger, A** T14-5C  
**Augath, M** T21-6B  
**Augustin, I** T7-1A  
**Aurich, MK** T16-1B  
**Aust, S** T4-3B  
**Austvoll, K** T26-1C  
**Avshalomov, J** T11-4C  
**Axmann, R** T27-5A  
**Aydin-Abidin, S** T4-5C
- B**
- Baasov, T** T11-11C  
**Babilonia, E** T6-7A  
**Backes, H** T10-1B, T24-11A  
**Backhaus, WGK** T15-10C  
**Baden, T** T17-10B  
**Bading, H** T8-3C



- Baduewig, J** T16-8B  
**Badura, A** T25-2A  
**Baehr, M** T11-12B  
**Baggerman, G** S17-1  
**Bähner, F** S14-4, T25-7B  
**Bähr, M** T11-20A, T11-16C, T12-5B  
**Bähring, R** T6-7B  
**Baker, R** T21-9B  
**Bakota, L** T11-11B  
**Ballermann, M** S7-4  
**Balschun, D** T7-5A, T9-9B  
**Balster, S** T17-14B, T17-6C  
**Bandtlow, CE** T2-3C  
**Baram, TZ** S10-1, S10-5  
**Barbu, CE** T2-3B  
**Barde, YA** T2-6B  
**Barlow, E** T3-2B  
**Baron, J** T16-12C  
**Barros, LF** T9-13A  
**Barrozo, R** T19-9B  
**Bartels, R** T7-15C  
**Bartelt-Kirbach, B** T22-4A  
**Barth, J** T7-4A  
**Bartl, K** T16-2C  
**Bartos, M** S14-6, T8-12C  
**Bartoszek, I** T9-14A  
**Bartsch, D** T6-4A  
**Bartussek, J** T20-9C  
**Bartz-Schmidt, KU** S23-5  
**Bass, AH** T21-9B  
**Bassetti, CL** T9-6B  
**Bastian, S** T12-10B  
**Bastmeyer, M** T2-10B, T10-2B  
**Batista Brito, R** S6-6  
**Battefeld, A** T1-7C, T7-7C  
**Bauer, G** T7-19A  
**Bauer, P** T11-10B  
**Baumann, A** T5-1C, T11-16C, T23-6A  
**Baumann, M** T21-11C  
**Baumgart, J** T1-7C  
**Baumgart, S** T19-11B  
**Bayer, T** T11-16A  
**Bayer, TA** S19-5, S19-6, T11-6A, T11-22A  
**Bechstedt, S** T17-1B, T17-12B  
**Beck, H** T7-13B  
**Becker, A** T6-11C  
**Becker, CG** T1-15C  
**Becker, CM** T6-1C  
**Becker, HGT** T16-13A  
**Becker, K** T2-1C, T6-1C, T26-15B  
**Becker, N** T2-2A  
**Becker, T** T1-15C  
**Beckers, U** T7-14A  
**Beckhaus, T** T7-3A, T7-4A  
**Bedenk, BT** T24-10A  
**Bedner, P** T8-4B, T9-8B, T11-13C  
**Beed, P** T8-7B  
**Beed, PS** T7-6B  
**Beeser, E** T11-13A  
**Behler, J** T9-4C  
**Behne, N** T18-14A, T18-1B  
**Behr, J** T8-10C  
**Behr, K** T17-11B  
**Behrend, K** T15-10A  
**Behrend, O** T17-11C  
**Behrendt, J** T24-11C, T26-7A  
**Behrens, A** T7-5B  
**Behrens, C** T23-7A  
**Behrens, CJ** T7-7A, T8-5A, T8-6A, T8-5B  
**Behrens, D** T18-11B  
**Beilinson, V** T1-13C  
**Belakhov, V** T11-11C  
**Belarbi, K** S19-2  
**Bembenek, J** T22-4B, T22-5B  
**Benali, A** T4-5C  
**Benda, J** T17-7A, T17-7B, T17-13B, T17-10C, T26-11C, T27-3B  
**Bendels, M** T8-7B  
**Bendels, MHK** T7-6B  
**Bender, A** S13-4  
**Bender, M** T22-1B  
**Bendix, O** T26-11B  
**Bengtson, CP** T8-3C  
**Benninger, F** T6-11C  
**Benton, RR** S5-5  
**Ben-Yosef, T** T11-11C  
**Benzel, I** S13-1  
**Benzler, J** T19-8B  
**Beramendi, A** T19-13C  
**Berg, C** T20-8A  
**Bergado, JA** T8-3B  
**Bergado-Acosta, JR** T5-3A  
**Berger, D** T26-9B  
**Berger, DJ** T26-8B  
**Berger, S** T6-4A



- Berger, T** T20-1A  
**Bernstein, HG** T13-6C  
**Berry II, MJ** S2-4  
**Berta, G** T20-3A  
**Berthé, R** T24-4A  
**Besser, D** T1-5A  
**Besser, M** T1-16C  
**Bethge, M** S2-6  
**Bettler, B** T5-3B  
**Betz, T** S15-4, T16-11C  
**Beyer, J** T16-4C  
**Bhattacharya, A** T6-2C  
**Bianchi, E** T21-7B  
**Biber, K** S3-2  
**Biber, U** T16-1A  
**Bichler, Z** T13-3A  
**Bicker, G** T1-4A, T2-4A, T2-5A, T2-6A  
**Bickmeyer, U** T27-1A  
**Bidon, O** T10-4C  
**Biederer, T** T2-7A  
**Biehlmaier, O** T15-9B  
**Biel, M** T15-9A  
**Bielefeld, L** T1-11A  
**Bierfeld, J** T4-6A  
**Biergans, S** T25-3A  
**Biernaskie, J** S7-1  
**Bilkei-Gorzo, A** S13-1  
**Binder, E** T1-17A  
**Binz, T** T7-2B  
**Birchmeier, C** T1-4C, T8-2C  
**Birke, G** S14-4  
**Birnbach, B** T25-3A  
**Bisch-Knaden, S** S5-6, T19-14C  
**Bischof, HJ** T15-5B, T19-18A, T25-6A, T25-12A  
**Bischofberger, J** T12-5C  
**Bittner, S** T12-3A, T12-7A  
**Blaschke, S** T26-16C  
**Blaser, C** T12-6B  
**Bleckmann, H** T17-1A, T17-2A, T17-3A, T17-6A, T17-14A, T17-12C, T24-4A  
**Blejec, A** T19-6B  
**Blenau, W** T5-1C  
**Blesch, A** S7-2  
**Blin, N** T17-10A, T17-3B, T17-13C  
**Bloch, A** T7-16A  
**Blum, D** S19-2  
**Blum, R** T27-5B  
**Blümel, M** T21-3C  
**Bock, HH** T1-5B  
**Bock, H** T1-3B, T1-9C  
**Bock, J** S4-3, T25-12B  
**Bock, N** T10-5C  
**Bock, T** T20-2C  
**Böckers, TM** T8-8C  
**Böddeker, N** T14-9A  
**Boeckers, T** T7-5A  
**Boeddeker, N** T14-3A, T14-7A  
**Boehlen, A** T8-6A  
**Boehm, A** T19-17B  
**Boehm, R** T11-14C  
**Bogdan, M** T18-12B  
**Böger, N** T2-4A  
**Bogerts, B** T13-6C  
**Bogusch, E** T25-4A  
**Bohland, J** T11-13A  
**Böhm, C** T9-8C, T11-3C  
**Boldogkoi, Z** T6-1B  
**Bolte, P** S23-6  
**Bömmel, H** T9-12B  
**Bongard, S** T24-2B  
**Bonhoeffer, T** T2-2A, T2-11B, T8-1A, T8-4A, T8-12B, T16-10A, T16-12A  
**Bonin, M** T11-9B  
**Bonn, MR** T23-12B  
**Boretius, S** T8-2C, T12-9B  
**Borgelt, C** T26-8B, T26-9B  
**Borgmann, A** T21-4A, T21-8B  
**Bormuth, I** T2-10C  
**Boros, A** T5-2A, T22-2A, T22-3A  
**Borst, A** T14-1B, T14-2B, T14-3B, T14-7B, T14-5C, T27-3A  
**Bosche, B** S1-5  
**Bosio, A** S6-2  
**Bösl, MR** T15-7B  
**Bosse, F** T3-4C  
**Boström, KJ** T16-10B  
**Both, M** S14-4, T25-7B, T25-8B  
**Bouche, E** T19-5C  
**Boucsein, C** T16-9C, T27-4C  
**Boutin, C** S6-2  
**Bowe, A** T13-7B  
**Boyan, G** T1-10B  
**Boyan, GS** S11-4, T1-8B  
**Brachmann, I** T2-11C



- Bradford, CL** T1-10C  
**Bradke, F** T9-2C  
**Bradley, SA** T2-6C  
**Brand, T** T13-1C  
**Brandstætter, AS** T19-2A  
**Brandstätter, JH** T7-2A, T7-9B, T11-10B, T15-2A, T15-3A, T15-5A, T15-6A, T15-11A, T15-1B, T15-12B  
**Brandt, N** T6-6A, T17-3B  
**Brandt, R** S9-2, T2-2B, T11-11B  
**Brandwein, C** T13-5A  
**Branoner, F** T17-11C  
**Bräuer, AU** T1-7C, T7-7C  
**Braun, E** T14-5B, T14-2C  
**Braun, H** T12-4A  
**Braun, K** S4-3, S10-4, T2-8B, T2-12B, T22-5A, T24-4B, T25-12B  
**Braunger, BM** T15-7B  
**Bräunig, P** T21-6A, T23-4B  
**Brazda, N** T3-2C, T3-3C  
**Brechmann, A** T18-14A, T18-1B  
**Brecht, M** T20-7B, T20-5C  
**Bredendiek, N** T5-4A  
**Bredy, TW** T24-4B  
**Breer, H** T19-2C, T19-4C, T19-5C, T19-6C, T19-8C, T19-9C, T19-10C, T19-12C, T19-16C  
**Breiter, S** T8-2B  
**Bremmer, F** T8-11B, T15-6B, T16-7A, T16-9B, T16-3C, T16-4C  
**Breß, A** T17-10A, T17-13C  
**Bretzner, F** S7-1  
**Breuer, P** T11-14A, T11-13B, T11-16B  
**Breunig, E** T19-22A  
**Breuninger, T** T15-4A, T15-2B  
**Brigadski, T** T4-6B, T4-1C, T4-2C  
**Brill, M** T1-18B  
**Brill, MF** T19-4A  
**Brindley, DN** T1-7C  
**Bringmann, A** T9-2A, T9-10A, T9-11A  
**Brion, JP** S19-2  
**Britanova, O** T2-8A  
**Brockhaus-Dumke, A** T11-9C, T18-11C, T26-12C  
**Brodmann, K** T16-11B, T25-13C  
**Broicher, T** T6-3B  
**Brosda, J** T11-5A  
**Brose, H** T19-2C  
**Brose, N** T2-2C, T2-7C, T7-1A, T7-2A, T15-6A, T7-11A, T7-19A, T7-11C, T18-5B  
**Brück, W** T9-14B, T9-9C, T12-9B, T12-2C, T12-7C, T21-3A  
**Brückner, G** T11-21C  
**Brüderle, D** T26-4C  
**Brune, K** T20-7A, T25-14B, T27-5A  
**Brunne, B** T1-9C  
**Brusius, JS** T23-9B  
**Brussaard, A** T23-1C  
**Brüsselbach, F** T4-3B  
**Büchele, F** T11-17A, T11-4B  
**Bucher, D** T25-13A, T26-15C  
**Bucher, G** T1-10A, T1-20A  
**Buchholz, V** S22-5  
**Buchner, E** T7-16A, T7-2C, T7-8C, T24-9B, T24-5C, T25-13A, T25-1B  
**Buck, F** T2-5C  
**Buck, V** T23-4B  
**Budde, T** T5-4B, T6-3A, T6-3B, T12-3A, T12-7A, T23-6A  
**Budinger, E** T27-1B  
**Budinsky, L** T25-14B  
**Buechele, F** T11-6C  
**BUEE, L** S19-2  
**Buehlmann, A** T12-6B  
**Buerbank, S** T6-1C  
**Buettner, N** T1-2C  
**Buffo, A** S9-4  
**Buhl, E** T23-8C  
**Buhren, BA** T3-4C  
**Bulankina, A** T7-2B, T18-5B  
**Bullmann, T** T1-1C, T2-3B, T7-12B  
**Burgdorff, C** S10-5  
**Burkhard, P** T7-10C  
**Bürki, H** Sat1-2  
**Burnouf, S** S19-2  
**Burré, J** T7-4A  
**Burrows, M** T21-11B  
**Burry, MI** T19-16C  
**Burzynska, AZ** T2-9C  
**Büschges, A** T21-2A, T21-4A, T21-5A, T21-8B, T21-3C  
**Buschmann, F** T13-2B  
**Bußhardt, P** T21-3B  
**Busti, D** S21-2, T24-8B  
**Butcher, N** T19-17C

**Buttgereit, J** S24-1  
**Butz, M** T23-11A, T25-6C  
**Buzsaki, G** T25-15B

## C

**Caillierez, R** S19-2  
**Calaminus, C** T24-11A  
**Calas, D** T21-2C  
**Caliskan, G** T7-7A  
**Call, S** T5-4B  
**Cambridge, S** T9-2C  
**Canto, C** T23-1C  
**Capetillo-Zarate, E** T11-3A, T11-18A  
**Capogna, M** S21-2  
**Carcaud, J** T25-16C  
**Cardanobile, S** T26-6C, T26-8C  
**Carlsson, T** T11-8A  
**Carr, R** T6-2B  
**Carracedo, LM** S14-3  
**Carulli, D** S9-4  
**Casile, A** T26-14C  
**Castro, D** S6-5  
**Ceci, M** Sat1-2  
**Cerquera, A** T26-16A  
**Chaffiol, A** T19-1B  
**Chagnaud, BP** T17-12C, T21-9B  
**Chai, X** T1-3B, T1-5B  
**Chaieb, L** T21-10B  
**Chakrabarty, A** T23-7A  
**Chan, EYW** S18-1  
**Chanda, S** T18-5B, T18-13C  
**Chapochnikov, NM** T17-9C  
**Chaudhary, K** T2-9B  
**Chen, S** T27-3A  
**Chen, Y** S10-1  
**Chen, YC** T19-7C, T25-1B  
**Cheung, A** T2-8A, T3-3B  
**Chiang, J** T23-5B  
**Chomova, M** T12-2A  
**Choquet, D** S12-2, T7-10A  
**Chourbaji, S** T13-5A  
**Christ, A** S15-2  
**Christensen, A** T21-1C  
**Christensen, DZ** T11-6A  
**Chun, J** T7-7C  
**Cichy, A** T6-6C  
**Cirasani, SR** T1-5A  
**Citarella, M** S17-2  
**Clare, AJ** T21-11B, T21-2C

**Clark, JW** T26-10C  
**Classen, J** T24-3A  
**Claus, P** T11-17C  
**Claus, RA** T12-10C  
**Clemens, J** T17-11A  
**Cohen, I** T6-4B  
**Cohen, O** T23-2B  
**Colovic, C** Sat2-7, T5-2B  
**Colson, V** T19-3B  
**Conrad, R** T9-9A  
**Cooper, B** T15-6A  
**Cooper, BH** T7-9B  
**Corballis, MC** T18-7A  
**Cordeiro, KK** T11-17A  
**Cotel, MC** T11-6A, T11-22A  
**Couchman, KA** T18-3A  
**Coulon, P** T6-3A, T9-7A  
**Courjaret, R** T9-13A  
**Couton, L** T19-1B  
**Cremer, H** S6-2, T7-9C  
**Cremer, T** T15-12A, T15-13A, T15-14A, T15-15A  
**Csicsvari, JL** S14-5  
**Culman, J** T12-8C  
**Cunningham, M** S14-2  
**Curie, T** T16-3A  
**Curio, G** T23-13A  
**Cynis, H** S19-3  
**Czeh, B** T13-1A, T13-2A  
**Czéh, B** T23-3A  
**Czesnik, D** T19-22A  
**Czisch, M** T24-3C  
**Czopka, T** T9-2B

## D

**da Silveira, RA** S2-2  
**DaCosta, C** T7-5B  
**Daffertshofer, A** T26-8A  
**Dahm, L** T1-2B, T1-13B  
**Dahm, LV** T1-11B  
**Dähne, S** T26-2A, T27-7B  
**Daldrup, T** T24-10C  
**Daliri, MR** T16-8C, T24-4C  
**Daniel, J** T4-2C  
**Darvas, M** T6-5B  
**Dash-Wagh, S** T2-4B  
**Daur, N** T21-1A  
**David, M** T20-2B  
**Davies, C** S14-3  
**Davison, A** T26-4C  
**De Col, R** T6-2B  
**de Juan Romero, C** T2-8A



- de Monasterio-Schrader, P** T2-9C  
**De Zeeuw, C** T25-2A  
**Dechent, P** T16-8B  
**Dedek, K** T15-4A, T15-1C, T15-5C, T15-9C, T23-9C  
**Degen, J** T9-8B  
**Deger, M** T26-13B  
**Deisseroth, K** T1-19B  
**Deitmer, JW** T9-7A, T9-8A, T9-13A  
**Delb, W** T24-10B  
**Delekate, A** T8-9B  
**Deliano, M** T16-6A, T18-12A, T18-3C  
**Dellen, BKM** T26-10C  
**Demmer, H** T19-15C  
**Demuth, HU** S19-3, S19-6  
**Dendorfer, A** T5-2C  
**Deng, Y** T19-17A  
**Dengler, R** T11-7C  
**Denk, W** T27-3A  
**Denker, M** T26-3B  
**Denter, DG** T1-6A  
**Depboylu, C** T11-20C  
**Der, R** T25-11C  
**Dermietzel, R** T7-6C  
**Derouiche, A** T9-7B, T9-8B  
**Derst, C** T23-14A  
**Desoeuvre, A** S6-2  
**Dettling, J** T17-9A, T18-1C  
**Devaud, JM** T25-7C  
**Dewachter, I** S19-1  
**Dewhirst, OP** T26-2C  
**Diaconu, O** T11-17A  
**Diba, K** T25-15B  
**Dibaj, P** T9-12A, T9-11C, T9-14C, T11-18C, T27-2A  
**Dicke, U** T24-7A  
**Diehl, FM** T21-1A  
**Dieke, S** T25-8C  
**Diepenbrock, JP** T17-3C  
**Diesler, A** T7-5A  
**Diesmann, M** T25-10A, T26-2B, T26-3B, T26-5B, T26-7B, T26-8B, T26-10B, T26-13B, T26-7C  
**Diestel, S** T7-9C  
**Dieterich, DC** Sat2-5  
**Dietrich, D** T7-17A  
**Dietz, GPH** T11-20A  
**Dietz, V** S7-5  
**Diguët, E** S15-6  
**Dihazi, H** T12-2C  
**Dimou, L** T2-9C  
**Dinocourt, C** T6-4B  
**Dinse, H** T20-7C  
**Dinse, HR** T11-13A, T20-9A, T20-2B  
**Dipoppa, M** S2-6  
**Dippacher, S** T7-16A  
**Dippel, S** T19-4B  
**Distler, C** T16-3A  
**Dittmar, L** T14-3A, T14-7A, T14-9A, T14-2C  
**Dityatev, A** S12-5  
**Djambazova, V** T27-7C  
**Djurisic, M** T16-10A  
**Długaicznyk, J** T6-1C  
**Dobler, TM** T6-10B  
**Döbröissy, M** T11-17A, T11-4B  
**Döbröissy, MD** T11-8B  
**Dobrota, D** T12-2A  
**Dotd, HU** T2-1C  
**Doengi, M** T9-7A  
**Dohm, CP** T11-16C  
**Dohmen, C** S1-5  
**Dominiak, P** T5-2C  
**Dooley, RC** T19-11B  
**Döring, F** T6-8C  
**Dornn, AL** T18-6C  
**Draguhn, A** S14-4, T25-7B, T25-8B  
**Drakew, A** T23-15A  
**Dreier, JP** S1-3, S1-5  
**Dresbach, T** T2-2C, T7-16C  
**Dresler, M** T24-3C  
**Dreyer, D** T19-4B  
**Dreznjak, A** T2-6B  
**Dube, C** S10-1  
**Dublin, P** T9-8B  
**Duch, C** T21-9C  
**Dugladze, T** T8-6A, T23-8B, T23-3C  
**Duncker, SV** T17-10A  
**Dunnett, S** T11-8B  
**Dürr, V** T14-6C, T20-1C  
**Dürst, T** Sat1-2  
**Dust, N** T11-12B  
**Düsterhus, D** T23-7B  
**Dutschmann, M** T11-4A  
**Dutta, B** T12-5A  
**Dvorzhak, A** T7-18A

## E

Eberhard, K T26-15B

- Eberhard, MJB** T17-5B  
**Ebert, S** T9-5C, T9-6C  
**Eckart, MT** T11-7B, T24-3B  
**Eckert, MB** T6-8C  
**Eckhoff, BC** T1-14B  
**Eckhorn, R** T15-6B  
**Eckmeier, D** T15-5B  
**Edel, MA** S4-4  
**Edelmann, E** T8-5C  
**Eder, M** T26-15B  
**Effertz, T** S5-4, T17-1B, T17-8B  
**Egelhaaf, M** T7-14A, T14-2A, T14-3A, T14-4A, T14-7A, T14-9A, T14-5B, T14-6B, T14-1C, T14-2C, T15-5B, T26-3A  
**Egert, U** S20-2, T9-8C, T11-3C, T23-11A, T23-14B, T23-5C, T23-7C, T26-12B  
**Egger, V** T5-4C  
**Egner, A** T17-9C  
**Egorova, M** T18-2C  
**Ehling, P** T23-6A  
**Ehmann, H** T18-9A  
**Ehmer, J** T19-3C  
**Ehn, F** T16-1B  
**Ehrenreich, H** T8-2C  
**Ehret, G** T18-6A, T18-10A, T18-2C, T18-6C, T24-12B, T25-5A  
**Ehrlich, I** S21-3  
**Eicke, D** T27-1C  
**Eickhoff, R** T2-4A  
**Eilers, J** T8-10A  
**Einhäuser, W** T16-2C  
**Eipert, P** T26-4A  
**Eisenhardt, D** T25-3C, T25-8C  
**Eitel, M** T7-10C  
**Ejaz, N** T14-8C  
**Ekstein, D** T6-11C  
**Ekström, P** T11-8C  
**EL ALI, A** T9-6B  
**el Jundi, B** T14-5A  
**El Manira, A** T21-7C  
**Elbanna, S** T19-1B  
**Elger, C** P2  
**Elsinghorst, PW** T11-2B  
**Elyada, YM** T14-3B  
**Emmanuel, P** T25-7C  
**Endepols, H** T10-1B, T10-3B, T13-6A, T13-7C, T18-10B, T24-11A  
**Endler, F** T27-5C  
**Eng, K** T27-7C  
**Engel, AK** T18-2B, T20-4B, T23-4C, T26-2A  
**Engel, J** T6-6A, T6-1C, T6-10C, T17-3B  
**Engelhardt, C** T19-5B  
**Engelhorn, A** T18-3C  
**Engelmann, J** T15-8B, T17-4C, T17-5C, T17-12C  
**Engelmann, P** T5-2A, T22-2A  
**Enz, R** T15-3A  
**Eppler, J** T26-4C  
**Ernsberger, U** T1-1B  
**Ernst, UA** T16-7C, T26-13A  
**Eroglu, C** S12-1  
**Ertmer, W** T17-14B, T17-6C  
**Eschbach, C** T25-4C  
**Escher, A** T12-9B  
**Esser, KH** T18-1A, T18-14B, T24-13B, T24-7C  
**Estrada, V** T3-2C, T3-3C  
**Eugene, E** T6-4B  
**Euler, T** S2-1, T15-4A, T15-2B  
**Everling, S** S22-4  
**Evert, BO** T11-14A, T11-13B, T11-16B, T11-2C  
**Ewert, TA** T20-4B  
**Eysel, U** T7-8B  
**Eysel, UT** T4-5C, T8-2B, T8-6B  
**Fabricius, M** S1-2, S1-4, S1-5  
**Faessler, R** T7-5A  
**Fahle, M** T16-7C, T24-9A  
**Faissner, A** S12-4, T1-1A, T1-3A, T7-15B, T1-17B, T1-8C, T1-11C, T1-16C, T1-17C, T1-19C, T7-15B, T9-9A, T9-2B, T9-1C  
**Fakler, B** T6-6B, T17-10A  
**Falkenburger, B** T7-19A  
**Falley, K** T2-5C, T10-2C  
**Fan, CM** T1-13A  
**Fano, S** T25-9A  
**Färber, K** S3-4  
**Farca Luna, AJ** T23-6B  
**Farkhooi, F** T26-4B  
**Farr, TD** T10-1B  
**Farrant, M** T25-2A  
**Fasshauer, D** T7-10C  
**Fässler, R** T2-3A  
**Fausser, S** T10-3C  
**Faustmann, M** T22-1A  
**Fawcett, J** S15-2  
**Fawcett, JW** S12-6



- Fechner, S** T17-5C  
**Feigenspan, A** S23-6  
**Feil, R** S24-1, T17-9A, T18-1C  
**Feinkohl, A** T16-7B  
**Felmy, F** T2-8C, T18-3A, T18-11A  
**Felsenberg, J** T25-3C, T25-8C  
**Fendt, M** Sat1-2  
**Fenger, Al** T12-1B  
**Fernandes de Lima, VM** T4-5B  
**Ferraguti, F** S21-2  
**ffrench-Constant, C** T9-2B  
**Fiala, A** S5-4, T19-3C, T24-9B, T24-5C, T27-4B  
**Fidzinski, P** T8-10C  
**Fiedler, K** T21-8C  
**Filiou, MD** S13-1  
**Filip, M** T13-3B  
**Filipcik, P** T11-15C  
**Fillbrandt, A** T23-10A, T23-3B  
**Fink, M** S15-6  
**Finsen, B** S3-5  
**Fisch, K** T17-7B  
**Fischbach, KF** S5-1, T2-9B  
**Fischer, D** T3-4B  
**Fischer, M** T11-12A  
**Fischer, S** T23-2C  
**Fishell, G** S6-6  
**Flamant, F** T6-6A  
**Flamment, F** T17-9A  
**Flanagan, L** S15-1  
**Flecke, C** T19-11A  
**Flegel, M** T24-8A  
**Fleidervish, IA** T6-10A  
**Fleischer, AG** T24-6A  
**Fleischer, F** T26-14C  
**Fleischer, J** T19-8C, T19-10C, T19-12C  
**Fleischer, W** T6-7C  
**Fleischmann, R** T26-11B  
**Flohr, JCA** T11-6A  
**Fluegge, D** T19-6A, T19-5B  
**Fluet, MC** T21-11C  
**Flügge, G** T2-1A, T10-4C, T13-1A, T13-2A, T23-3A  
**Folta, K** T24-10C  
**Ford, MC** T7-14C  
**Förster, E** T1-3B, T13-6B  
**Forstner, M** T19-4C, T19-5C  
**Fouad, K** S7-4  
**Frahm, C** T9-4C, T12-10C  
**Frahm, J** T8-2C  
**Francikowski, JC** T22-4B, T22-5B  
**Francke, M** T9-5B, T15-7A  
**Frank, T** T17-9C  
**Franke, F** T27-7B  
**Franke, H** T4-3C, T4-4C  
**Franken, GWW** T9-7C  
**Frankland, P** S21-1  
**Franosch, JMP** T26-11A, T17-3C  
**Franz, C** T6-6A, T6-10C, T17-9A, T17-3B  
**Franze, K** S15-2, T15-12A, T15-14A  
**Fränzel, B** T6-1A  
**Franzen, B** T21-3A  
**Frasca, A** T13-5A  
**Frech, B** T15-4B  
**Frede, S** T11-1B  
**Frédérique, V** T7-9B  
**Freitag, D** T9-4C  
**Freitag, HE** T8-3C  
**Freiwald, WA** T24-9A  
**French, AS** T19-1A, T20-6A, T20-6C  
**Freund, E** T11-13A  
**Freund, J** T26-16A  
**Freund, N** T16-11B, T24-8C, T25-13C  
**Frey, JU** T8-7A, T8-8A, T8-9A, T8-11A, T8-12A, T8-3B, T8-8B, T25-11A, T25-16B  
**Frey, S** T8-8A, T8-9A  
**Frey, U** S20-4  
**Friauf, E** T2-3A, T6-7A, T18-2A, T18-9A, T18-7B  
**Fricker, D** T6-4B  
**Fricker, L** S17-4  
**Friedl, P** T12-7A  
**Friemel, CM** T13-4C  
**Frischknecht, R** S12-2  
**Fritsche, A** T22-2C  
**Froese, A** T19-21A  
**Fromherz, P** P6, T8-9C, T15-2C, T15-11C, T23-11C, T27-9B  
**Fromm, B** T22-4C  
**Froriep, UP** T9-8C, T11-3C  
**Frotscher, M** S13-3, T1-3B, T1-5B, T1-9C, T5-3B, T10-4A, T13-6B, T23-15A  
**Fry, S** T20-9C  
**Fry, SN** T14-5C, T14-9C

**Fuchs, C** T7-11C  
**Fuchs, E** T2-1A, T8-2C, T13-1A, T23-3A  
**Fumagalli, F** T13-5A  
**Fünfschilling, U** T2-9C  
**Funk, N** T7-8C, T25-13A  
**Funk, NW** T23-9B  
**Funke, F** T9-1B, T11-4A  
**Funke, K** T4-5C  
**Fürstenberg, D** T18-11C  
**Fusca, D** T19-18C

## G

**Gabriel, JP** T21-7C  
**Gadenne, C** T19-9B  
**Gaese, B** T17-4B, T18-6B, T18-9B  
**Gagel, C** T13-5C  
**Gagliardo, A** T19-15B  
**Gail, A** S22-3, T21-5C, T24-2A, T27-3C  
**Galashan, FO** T16-1B, T16-2B, T16-5C  
**Galizia, CG** T4-6A, T19-9A, T19-12A, T19-19A, T19-20A, T19-1C, T25-3A, T25-9B, T25-15C  
**Galizia, G** T19-10A  
**Gampe, K** T1-18B  
**Gansel, K** T23-1B  
**Gao, Z** T25-2A  
**Garaschuk, O** T16-5A  
**Garbers, C** T1-11A  
**Garcia, J** T11-8A  
**Gardner, HAR** T1-10C  
**Garea Rodriguez, E** T12-7C  
**Garratt, A** T1-4C, T10-1C  
**Gärtner, U** T1-6C  
**Gaser, C** T10-1A  
**Gasis, M** T3-4C  
**Gass, P** T13-5A  
**Gassman, M** T12-3C  
**Gatica Tossi, M** T20-7C  
**Gauthier, A** T2-2B  
**Gauthier, M** T25-4B  
**Gavish, M** T12-5A  
**Gawlak, M** T12-1C  
**Gebhardt, C** T2-10B, T7-5B  
**Gehring, K** T25-8C  
**Geiger, M** T11-5B  
**Geisel, T** T23-13C, T26-1A, T26-14A, T26-11B  
**Geisler, HS** T17-12A, T17-13A  
**Geissler, M** T7-15B, T9-1C  
**Gekeler, F** S23-5  
**Gelinsky, M** T12-10B  
**Genius, J** S13-4  
**Gensch, T** T18-4B  
**Gentner, R** T24-3A  
**Gentsch, J** T15-7A  
**Georges, P** S15-1  
**Geracitano, R** S21-2, T24-8B  
**Gerardy-Schahn, R** T1-14A  
**Gerber, B** T19-3C, T19-7C, T25-13A, T25-1B, T25-4C  
**Gerdemann, J** T2-3B  
**Gerhard, S** T26-15B  
**Gerhardt, M** S20-5  
**Gerich, FJ** T11-12A  
**Gerlach, M** T13-5C  
**Gernert, M** T13-5B, T23-5B  
**Gerrits, B** T2-4C  
**Gerstein, G** T26-8B  
**Gesemann, M** T15-9B  
**Geurten, B** T14-2C  
**Geurten, BRH** T14-5B  
**Geuting, M** T23-15A  
**Gewaltig, MO** T26-5B  
**Gharabaghi, A** T16-13A  
**Ghayur, T** T3-2B  
**Ghobril, JP** T11-20C  
**Giannone, G** T7-10A  
**Gibbons, H** T24-11C, T26-7A  
**Gielen, S** T26-8A  
**Gierse, A** T1-4A  
**Giese, MA** T21-1C, T26-14C  
**Gießl, A** T15-5A  
**Girardin, C** T19-20A  
**Girgis, J** S7-4  
**Gisler, R** T1-12B  
**Gisselmann, G** T5-4A, T6-7C, T6-9C, T19-17A  
**Giurfa, M** T25-16C  
**Glaschke, A** T15-11B  
**Glass, R** T1-5A  
**Glatz, T** T12-8C  
**Gliem, S** T19-8A  
**Glocker, M** T11-14B  
**Glöckner, P** T11-5C  
**Glösmann, M** T15-11B, T15-3C



- Gloveli, T** S14-1, T8-6A, T23-8B, T23-3C  
**Glyvuk, N** T7-5A  
**Göbbels, K** T23-4B  
**Göbel, K** T12-3A, T12-9A  
**Gocht, D** T9-1A  
**Goebbels, S** T1-15A, T2-10C, T27-7A  
**Goedeke, S** T26-10B  
**Goertz, M** T15-6B  
**Goetz, B** T19-4B  
**Gohl, T** T19-5C  
**Gohlke, P** T12-8C  
**Goisser, K** T19-5A  
**Gojak, CP** T1-5C, T1-10C  
**Golbs, A** T3-2A  
**Gold, R** T13-4B  
**Goldammer, J** T21-4B  
**Goldmann, T** T11-11C  
**Goldschmidt, J** T16-2A, T27-1B, T27-2B  
**Golenhofen, N** T22-4A  
**Gologlu, O** T17-13A  
**Gonder, S** T6-11B  
**Gondesen, I** T19-5C  
**Gonzalez Algaba, A** T1-2B  
**Göpfert, M** T17-9B  
**Göpfert, MC** S5-4, T17-1B, T17-8B, T17-12B, T17-13B  
**Gorb, S** T21-3B  
**Gorgas, K** T1-10C  
**Gorji, A** T23-4A  
**Górkiewicz, T** T12-1C  
**Görner, B** T7-7B  
**Gorny, X** T7-1C  
**Gottmann, K** T7-3B  
**Götz, M** S6-1, T1-18B  
**Götze, B** T16-13B  
**Goulet, J** T17-12C  
**Goutman, JD** T8-1C  
**Grabe, V** S5-6, T19-23B  
**Graebenitz, SA** T23-2A  
**Graessner, H** T11-10B  
**Graetzel, C** T20-9C  
**Graf, R** S1-1, S1-5, T10-1B, T10-3B, T18-10B, T24-11A  
**Grafen, K** T1-7B  
**Gramowski, A** T23-12C  
**Grandgirard, D** T3-5A  
**Grant, K** T17-5C  
**Grantyn, R** T7-7C  
**Graumann, U** T12-1A  
**Gray, W** T3-3B  
**Greifzu, F** T16-4A  
**Greppeier, U** S23-5  
**Greschner, M** T26-16A  
**Grewe, J** T14-1C, T27-6B  
**Griesbeck, O** S5-2  
**Griffel, C** T1-4C  
**Grill, S** T18-2A  
**Groh, C** T19-17C  
**Grohmann, M** T4-4C  
**Groll, H** T19-14B  
**Grosche, J** T11-2B, T11-21C, T15-7A  
**Grosjean, ME** S19-2  
**Gross, A** T5-3B  
**Große-Wilde, E** T19-19B, T19-5C  
**Grote, A** T6-1B  
**Grote-Westrick, C** T4-2A  
**Grothe, B** T2-8C, T7-14C, T18-3A, T18-11A, T18-4C, T18-5C, T18-7C, T18-8C, T26-9C  
**Grothe, C** T1-14A  
**Group, E** T15-6B  
**Group, MOC** S1-4  
**Grube, D** T24-10C  
**Gruber, M** T15-10A  
**Gruhn, M** T21-4A, T21-5A  
**Grün, S** T26-3B, T26-8B, T26-9B  
**Grünblatt, E** T13-5C  
**Grund, A** T25-9C  
**Grunditz, Å** T7-12A  
**Grunditz-Müller, A** T7-4C  
**Grünewälder, S** T26-14B  
**Grunze, H** S13-4  
**Gruss, M** S10-4, T25-12B  
**Gruszczynska-Biegala, J** T6-9A  
**Gryga, M** T15-12A, T15-15A  
**Guck, J** S15-2, T15-12A, T15-13A, T15-14A, T15-15A  
**Gudermann, T** T19-8B  
**Guenther, M** T9-4C  
**Guillemot, F** S6-5  
**Güler, N** T7-17A  
**Gulley, JM** T13-1B  
**Gummert, M** T2-10C, T8-2C  
**Gundelfinger, E** S12-2, T1-4B, T2-9A, T9-10B, T16-2A  
**Gundelfinger, ED** T8-8C, T9-9B, T13-6C, T16-13B  
**Günther, L** T24-6B



**Güntürkün, O** T16-5B,  
T16-11B, T19-5A, T19-15B, T24-  
8C, T25-13C  
**Gürel, T** S20-2  
**Gurgenidze, S** T23-3C  
**Guschlbauer, C** T21-3C  
**Gustav, D** T25-9B, T25-15C  
**Gutierrez, B** T12-1A  
**Gutknecht, L** T22-3C, T22-  
5C  
**Gutnick, MJ** T6-10A  
**Gütschow, M** T11-2B

## H

**Haab, L** T24-10B  
**Haag, J** T14-1B, T14-3B,  
T14-7B  
**Haarmeier, T** T16-13A  
**Haas, CA** T1-11A, T1-12A,  
T10-4A, T10-3C, T11-3C, T12-  
5C, T12-6C, T23-15A  
**Haas, HL** T6-9C  
**Haas, SJP** T1-14B, T3-1A,  
T11-14B  
**Habel, M** T12-1C  
**Haberlandt, C** T2-12A  
**Hackl, C** T11-7A  
**Hadad-Tsoglin, E** T12-5A  
**Hadar, R** T19-16B  
**Haeberle, L** T11-10B  
**Haeckel, A** Sat2-4  
**Haettig, J** T25-6B  
**Hafizovic, S** S20-4  
**Hage, S** T18-12C  
**Hägele, S** T11-12A  
**Hagemann, C** T18-1A  
**Hagendorf, S** T19-13A,  
T19-5B  
**Hahn, A** T3-2B, T5-1B  
**Hähnel, M** T19-15A  
**Hahnenkamp, S** T12-7B  
**Halder, P** T7-2C  
**Hall, FS** T13-5C  
**Hallermann, S** T7-4B, T7-  
16B, T8-10A  
**Hamanaka, Y** T14-9B  
**Hamodeh, S** T21-6B, T27-  
1C  
**Handschuh, J** T18-12A  
**Hanganu, I** T6-5A  
**Hanisch, UK** T9-14B, T9-  
6C, T9-9C, T12-6A, T12-2B,  
T12-2C  
**Hanke, W** T4-5B  
**Hanot, C** T19-6B  
**Hans, M** T6-1B  
**Hansson, B** T19-13C  
**Hansson, BS** S5-6, T19-  
23A, T19-12B, T25-13B, T19-  
19B, T19-20B, T19-21B, T19-  
22B, T19-23B, T19-11C, T19-  
14C, T25-13B  
**Hans-Ulrich, D** T26-15B  
**Hanuschkin, A** T26-7B,  
T26-7C  
**Happel, M** T18-12A, T27-4A  
**Hardt, O** S6-2  
**Häring, HU** T22-2C  
**Harmel, N** T6-6B  
**Harris, KD** S16-2  
**Hart, BM** T16-2C  
**Härtig, W** T1-1C, T11-2B  
**Harting, KV** T2-10A  
**Hartings, J** S1-2  
**Hartisch, M** T7-10C  
**Hartmann, AM** S13-4, T6-  
7A  
**Hartmann, J** T6-9B  
**Hartmann, R** T18-2B  
**Hartmann, T** S9-1  
**Hartung, HP** T12-3B  
**Harvey, K** T7-11C  
**Harzsch, S** T19-7A, T19-12B,  
T19-21B  
**Hasan, MT** T25-8B  
**Hasenpusch-Theil, K** T1-  
10C  
**Hashemolhosseini, S** T7-  
13C  
**Hass, J** T26-16C  
**Hass, N** T19-6C, T19-16C  
**Hassan, H** T8-9A, T8-8B  
**Hasselhorn, M** T24-11C,  
T26-7A  
**Hassenklöver, T** T1-9A, T9-  
14A  
**Haßfurth, B** T18-8C  
**Hatok, J** T12-2A  
**Hatt, H** T5-4A, T6-5C, T6-6C,  
T6-7C, T6-9C, T7-15B, T9-10B,  
T16-3A, T19-17A, T19-7B, T19-  
10B, T19-11B, T20-6B  
**Haub, H** T19-16C  
**Hauber, W** S4-2, T24-11A  
**Hauck, S** T11-8C  
**Haug, M** T15-14B  
**Hauk, TG** T3-4B  
**Hauser, F** S17-5



- Hausmann, L** T18-4A  
**Hausmann, M** T18-7A  
**Hausmann, O** T12-1A  
**Häussler, U** T1-11A, T9-8C, T11-3C  
**Haverkamp, S** T15-8A, T15-9A, T15-2B  
**Haynes, JD** T24-2C  
**Heck, N** T1-6A, T3-2A  
**Heckmann, M** T7-4B, T7-16B, T8-10A, T12-7A  
**Hedderich, R** T19-17B  
**Hedwig, B** T17-10B, T18-13B, T23-8A  
**Heer, F** S20-4  
**Heid, S** T18-2B  
**Heidemann, M** T15-9B  
**Heidemann, SR** S15-3  
**Heidrych, P** T17-10A  
**Heidtmann, BM** T25-3B  
**Hein, H** T1-20A  
**Heindl-Erdmann, C** T27-5A  
**Heine, C** T4-4C  
**Heine, M** S12-2, T7-10A, T27-1A  
**Heinemann, U** T7-7A, T8-5A, T8-6A, T8-5B, T8-10C, T11-19C, T23-7A, T23-8B, T23-3C, T25-9A  
**Heinl, C** T19-14C  
**Heinrich, R** S11-2, T9-1A, T21-10C, T22-1A, T23-6B  
**Heinz, A** S4-6  
**Heinze, S** S11-1, T14-5A  
**Heisenberg, M** P7, S5-3, T27-4B  
**Heitwerth, J** T14-4A  
**Helbig, D** T7-15A  
**Helduser, S** T15-7C  
**Helias, M** T26-5B, T26-7B, T26-13B  
**Hellekes, K** T21-2A, T21-8B  
**Helling, I** T8-4A  
**Helmeke, C** T2-12B, T22-5A, T24-4B  
**Helmstädter, M** T2-9B  
**Hemmerlein, M** T7-9B, T15-6A  
**Hendel, T** S5-2  
**Henley, J** S10-2  
**Hennen, E** T1-1A  
**Hennig, P** T26-3A  
**Hennig, RM** T17-7A  
**Hennige, AM** T22-2C  
**Henning, HA** T6-9B  
**Henninger, J** T17-13B  
**Heppler, FL** S3-6  
**Herbert, Z** T1-8B, T1-10B, T22-3A  
**Herdegen, T** T11-14C, T12-8C  
**Hermann, C** T8-9C  
**Hermann, DM** T9-6B, T12-3C  
**Herms, J** S19-4  
**Herold-Mende, C** T1-5A  
**Herr, D** T6-3A  
**Herrling, R** T6-4C  
**Herrmann, A** T12-9A  
**Herrmann, AM** T12-3A, T12-7A  
**Herrmann, JM** T21-8C, T24-11C, T25-11C, T26-6A, T26-7A, T26-14A, T26-7C, T26-16C  
**Herrmann, KH** T10-1A  
**Herrmann, T** S20-5  
**Hertel, N** T10-4B  
**Herz, A** T17-7B, T23-13A  
**Herz, J** T1-9C  
**Herzer, S** T2-11C  
**Hescheler, J** T11-9C  
**Hess, A** T20-7A, T25-14B, T27-5A  
**Hess, B** T16-4B  
**Hesse, F** T25-11C  
**Hesselberg, T** T14-10B  
**Heumann, R** T4-2A, T10-3A, T11-17B, T12-4B, T13-3A  
**Heuss, D** T7-13C  
**Heyden, A** T1-4B  
**Heymann, N** T14-10B  
**Hierlemann, A** S20-4  
**Hildebrandt, B** T11-12A  
**Hildebrandt, H** T1-14A  
**Hildebrandt, KJ** T17-7A, T17-10C  
**Hilgen, G** T15-1C  
**Hilla, A** T3-1A  
**Himmelreich, U** T10-1B  
**Hinchliffe, D** T8-1B  
**Hipp, JF** T23-4C  
**Hippe, S** T4-2A  
**Hirnet, D** T9-8A  
**Hirrlinger, J** T1-18C, T9-3B, T9-4B, T27-7A  
**Hirrlinger, PG** T9-13C, T27-7A  
**Hirschfeld-Warneken, VC** T1-10C

- Hirtz, J** T18-7B  
**Hochleiter, K** T24-12B  
**Hodel, C** T15-9B  
**Hoebeek, F** T25-2A  
**Hoehl, D** T15-6B  
**Hoehna, Y** T12-1C  
**Hofbauer, A** T7-2C  
**Hofer, S** T3-5A  
**Hoffend, S** T11-12B  
**Hoffmann, A** T11-2B  
**Hoffmann, KP** T15-7C, T16-3A, T16-1C  
**Hoffmann, MH** T17-14C  
**Hofmann, F** S24-1, T8-3C  
**Hofmann, HD** T1-16B  
**Hofmann, M** T13-5C  
**Hofmann, V** T17-2A  
**Höger, U** T20-6A  
**Höger, U** T20-6C  
**Höglinger, G** T11-20C  
**Höhl, D** T27-3C  
**Höckfelt, T** T18-9C  
**Holbro, N** T7-12A, T7-4C  
**Holke, R** T12-10B  
**Holl, N** T8-7C  
**Hollaender, A** T24-2C  
**Hollatz, D** T15-7C  
**Hollmann, M** T6-1A  
**Holsboer, F** T24-3C  
**Holst, MI** S13-1  
**Holt, CE** S15-2  
**Holthoff, K** T7-6A  
**Holzer, M** T1-1C, T2-3B, T7-12B  
**Homberg, U** S11-1, T14-1A, T14-5A, T14-8A  
**Hömberg, V** T11-13A  
**Honndorf, S** T23-5B  
**Hoogenraad, CC** S10-2  
**Hoon, M** T7-19A  
**Hooper, SL** T21-3C  
**Hopp, S** T22-2C  
**Horn, A** T16-3A, T16-4B  
**Horschitz, S** T6-4A  
**Hörtnagl, H** T13-5A  
**Horvat-Bröcker, A** T1-17C  
**Hou, X** S17-2  
**Hourcade, B** T25-7C  
**Houweling, A** S8-1  
**Hovemann, B** T11-17B  
**Hovemann, BT** T4-3B  
**Howard, J** T17-1B, T17-12B, T20-9C  
**Howard, M** T1-1B  
**Hradsky, JV** T2-8B  
**Hu, W** T13-2A  
**Huang, CH** T7-13A  
**Huang, M** T26-10A  
**Huang, YY** T15-14B  
**Hübener, M** T16-12A  
**Huber, A** T14-8B  
**Huber, AB** T21-7B  
**Huber, S** T1-12A, T10-3C  
**Hubka, P** T18-2B  
**Huch, J** T8-4C  
**Huebener, M** T16-10A  
**Huelse-Matia, MC** T11-7B  
**Huethe, F** T20-8B, T21-9A  
**Huetteroth, W** T4-1A, T19-4B  
**Huggenberger, S** T18-8B, T21-2B, T21-5B  
**Hülsmann, S** T8-2C, T9-13B, T11-18C  
**Hundelt, M** T11-11B  
**Hunger, H** T24-6A  
**Hünig, T** T12-7A, T12-9A  
**Husch, A** T19-18C  
**Hussain, A** T19-20C  
**Huston, JP** T13-7A  
**Hutchins, BI** S24-5  
**Huth, T** T6-2A  
**Hüttmann, K** T11-13C  
**Huylebroeck, D** T1-15A  
**Hynie, S** T24-8A
- I
- Iandiev, I** T9-10A  
**Ibhazehiebo, K** T22-2B  
**Ifuku, M** S3-3  
**Igelmund, P** T11-9C, T18-11C  
**Ihrke, M** T24-11C, T26-6A, T26-7A  
**Ikonomidou, C** T12-1C  
**Ikonomidou, H** T12-10B  
**Ilango, A** T25-2C, T25-12C, T27-6A  
**Ilg, UJ** T16-1A  
**Ilg, W** T21-1C  
**Illnerova, H** T23-10B  
**Imam, JC** T18-9B  
**Imbrosci, B** T8-6B  
**Imholz, PJ** T12-6A  
**Imobersteg, S** Sat1-2  
**Inagaki, HK** S5-4



**Indiveri, G** T27-7C  
**Inkemann, M** T19-5A  
**Ioalè, P** T19-15B  
**Ip, CW** T12-9A  
**Iqbal, J** T25-14A  
**Iriki, A** P8, S22-1  
**Isacoff, EY** T6-8A  
**Isbrandt1, D** T6-5A  
**Isenmann, S** T12-8B, T15-10B, T16-3B  
**Ito, K** S5-4  
**Ivy, A** S10-1  
**Iwasaki, T** T22-2B  
**Iwe, M** T12-10B

## J

**Jabs, R** T2-12A, T6-1B  
**Jacob, SN** T24-1C  
**Jacob, W** T11-17B  
**Jähkel, M** T24-6B  
**Jährling, N** T2-1C  
**Jakob, R** T11-9A  
**Jakob, S** T22-3C, T22-5C  
**Jakoby, P** T9-13A  
**Jalics, J** S14-2  
**Jancke, D** T16-5B  
**Janghra, N** T11-8B  
**Janmey, P** S15-1  
**Janssen-Bienhold, U** S23-6, T15-4C  
**Jarosch, M** T8-5B  
**Jarosch, MS** T8-5A  
**Jarowyj, J** T13-6B  
**Jarriault, D** T19-1B, T19-9B  
**Jarvis, SJ** T26-12B  
**Jauch, M** T7-16A  
**Jaumann, M** T18-13A, T18-12B  
**Jaworski, T** S19-1  
**Jefferies, HB** S18-1  
**Jensen, O** S16-5  
**Jeong, M** T3-5C  
**Jeschke, M** T18-12A, T18-6C  
**Jeserich, G** T6-4C, T9-3C  
**Jia, H** T16-8A  
**Jiang, W** T11-17A, T11-4B, T11-6C  
**Jing, X** T20-4C  
**Joachimsthaler, B** T18-10A  
**Jockusch, BM** T2-7B  
**Jockusch, WJ** T7-1A  
**Joels, M** S10-2

**Joesch, M** S5-2  
**Joffe, B** T15-13A, T15-14A, T15-15A  
**Johanning, FW** T7-6B, T8-7B  
**John, N** T9-9B  
**Jöhren, O** T5-2C  
**Jonas, P** P1, T6-6B  
**Jongen-Relo, AL** T5-1B  
**Jöpen, C** T13-6A, T13-7C  
**Jordan, J** T11-11B  
**Ju, MJ** T21-1B  
**Juarez Paz, LM** S2-5  
**Juckel, G** S4-4, T13-4B  
**Jügel, K** T23-12C  
**Junek, S** T9-14A  
**Jung, F** T18-10B  
**Jung, N** T17-12C  
**Jüngling, K** T7-14B  
**Jüttner, R** S24-1

## K

**Kacza, J** T11-2B  
**Kaczmarczyk, L** T8-4B, T9-7B, T9-8B, T11-18B, T11-13C  
**Kaczmarek, L** T12-1C  
**Kaes, JA** S15-4  
**Kafitz, KW** T9-3A  
**Kahlert, S** T11-12C  
**Kahlert, UD** T1-6B  
**Kähne, T** T8-8C  
**Kahnt, J** T19-17B, T22-1B  
**Kaiser, M** S14-3  
**Kaiser, P** T10-2B  
**Kalil, KK** S24-5  
**Kalisch, T** T11-13A, T20-9A  
**Kallerhoff, P** T24-2C  
**Kallmeyer, I** T16-6A  
**Kallur, T** T1-12B  
**Kamikouchi, A** S5-4, T17-8B  
**Kaminiarz, A** T16-7A  
**Kampa, B** S8-2  
**Kandel, E** T11-13C  
**Kandler, S** T23-14B, T23-7C  
**Kann, O** T7-5B, T8-5A  
**Kantartzis, K** T22-2C  
**Kanyshkova, T** T23-6A  
**Kapan, N** T1-10B  
**Kapfer, C** T27-3A  
**Kaplan, P** T12-2A  
**Kapustjanskij, A** T27-4B  
**Karas, M** T7-3A, T7-4A  
**Karl, A** T9-11A

- Karnath, HO** T21-1C  
**Karpestam, B** T15-8B  
**Karpova, A** Sat2-5, T8-8C  
**Karram, K** T9-10C  
**Karrenbauer, BD** T13-7A  
**Karrenbrock, M** T25-8C  
**Karus, M** T1-3A  
**Käs, J** T15-12A  
**Käs, JA** S15-2  
**Kaschube, M** T26-5C  
**Katanaev, V** T19-12A  
**Katanayeva, N** T19-12A  
**Katschinski, D** T11-12A  
**Kattenstroth, JC** T20-9A  
**Katz, E** T6-10A  
**Kauffmann, S** T25-3C  
**Kaufmann, WA** S21-2  
**Keary, N** T19-18A  
**Keil, VC** T9-1B  
**Keil, W** T26-5C  
**Keiner, S** T1-15B  
**Kelber, C** T19-3A  
**Kelleher, NL** T13-1B  
**Keller, K** T24-10C  
**Kellert, B** T27-7A  
**Kelly, T** T9-5A  
**Kempf, C** T7-16C  
**Kempter, R** S20-3, T18-3B, T25-15B  
**Kermer, P** T11-12B, T11-16C  
**Kern, R** T14-2A, T14-4A, T14-5B, T15-5B, T26-3A  
**Kerschbaum, HH** T11-19A, T22-3B  
**Keselman, A** T23-2B  
**Kessels, MM** Sat2-4, T7-5A  
**Kettenmann, H** T1-5A, T9-11B, T12-2C  
**Khantane, S** T2-3C  
**Khayat, P** T24-5B  
**Khazneh, H** T11-14A  
**Khimich, D** T17-9C, T18-5B  
**Khouri, L** T18-5C  
**Kiebler, MA** Sat2-3  
**Kielblock, H** T8-6C  
**Kienitz, B** S11-5, T25-8A  
**Kieseier, BC** T12-3B  
**Kieselmann, O** T7-7C  
**Kietzmann, TC** T16-11C  
**Kilb, W** T1-6A, T4-4A, T7-9A  
**Kilic, E** T9-6B, T12-3C  
**Kilic, U** T9-6B  
**Kilic, Ü** T12-3C  
**Kilimann, M** T7-11A  
**Kindler, S** T2-5C, T10-2C, T11-10C  
**Kirchhoff, F** T9-12A, T9-10C, T9-11C, T9-13C, T9-14C, T1-18C, T27-2A, T27-7A  
**Kirschuk, S** T7-18A  
**Kirmse, K** T7-18A  
**Kirsch, J** T6-3C, T7-16C  
**Kirsch, M** T1-16B  
**Kirschstein, T** T8-7C, T11-4C  
**Kirst, C** T23-13C  
**Kispersky, T** S14-2  
**Kizler, G** T20-3A  
**Kitanovic, I** T1-10C  
**Kittel, RJ** T7-4B, T7-16B, T8-10A  
**Klaes, C** T21-5C  
**Klauke, S** T15-6B  
**Klausmeyer, A** T9-9A  
**Kleele, T** T1-8B  
**Klein, AT** T17-3A  
**Klein, C** T6-1A  
**Klein, R** T7-11B  
**Kleindienst, T** T2-11B  
**Kleineidam, CJ** T19-2A, T19-3A, T19-4A, T19-19A, T20-2A  
**Klempahn, K** T9-3C  
**Klenerova, V** T24-8A  
**Kletke, O** T6-7C, T6-9C  
**Klette, C** T11-11A  
**Klingauf, J** T7-5A, T7-7B  
**Klingenhoefer, S** T16-9B  
**Klinke, I** T19-2B  
 **Klöcker, N** T6-6B  
**Klockgether, T** T11-14A, T11-13B, T11-2C  
**Klopfenstein, D** T7-1B  
**Klöppel, S** P5  
**Kloppenburg, P** T19-15C, T19-18C, T19-21C, T21-4C  
**Klose, A** T6-2A  
**Klosterkoetter, J** T26-12C  
**Klug, A** T7-14C, T18-7C  
**Klugmann, F** T1-2B, T1-11B, T1-13B  
**Klugmann, M** T2-9C  
**Klump, G** T18-11B  
**Klump, GM** T16-7B  
**Klupp, BG** T16-3A  
**Knaden, M** T19-11C, T19-13C, T25-13B  
**Knipp, S** T2-5A



- Knipper, M** T6-6A, T6-1C, T6-10C, T17-9A, T17-10A, T17-12A, T17-13A, T17-3B, T17-13C, T18-13A, T18-12B, T18-1C  
**Knodel, MM** T26-15C  
**Knöferle, J** T12-5B  
**Knöll, B** Sat2-6, T2-10A, T2-11A, T2-1B, T3-1B  
**Knöll, J** T16-4C  
**Knop, G** T15-1A  
**Knop, GC** T15-9C  
**Knopp, C** T5-2C  
**Kobayashi, K** T1-1B  
**Kobayasi, K** T18-12C  
**Kobe, F** T8-11C  
**Koch, D** S15-4, T7-5A  
**Koch, H** T4-3C  
**Koch, JC** T12-5B  
**Koch, M** S4-5, T11-5A  
**Koch, S** T24-3C  
**Koch, U** T18-8C  
**Koehler, B** T7-1B  
**Koesling, D** T7-8B  
**Kohl, T** T17-8C  
**Köhling, R** T8-7C, T11-4C  
**Kohn, A** S17-2  
**Kohrs, C** T18-1B  
**Kohsaka, S** T9-14B  
**Koibuchi, N** T22-2B  
**Kokaia, Z** T1-12B  
**Koks, S** T11-20B  
**Kolankowska, I** T20-9A  
**Koleski, A** T26-17A  
**Kollias, G** T27-5A  
**Kollmann, MHG** T4-1A  
**Kolodziej, A** T27-6A  
**Kondoh, Y** T20-4C  
**König, P** T16-2C, T16-11C, T26-2A  
**Königs, K** T16-7A  
**Koniszewski, NBD** T1-20A  
**Konnerth, A** T1-19B, T6-9B, T7-6A, T16-5A, T16-8A, T16-9A, T23-2C  
**Kononenko, NL** T21-9C  
**Kopatz, J** T12-2C  
**Kopell, N** S14-2, S14-3  
**Kopp-Scheinpflug, C** T18-5B, T18-13C  
**Körber, C** T7-16C  
**Korsching, SI** T19-19C, T19-20C  
**Korte, M** T1-9B, T2-6B, T2-7B, T8-9B, T8-4C  
**Körte, M** T2-1C  
**Korth, C** T12-3B  
**Korz, V** T8-7A, T8-9A, T8-12A, T25-11A, T25-16B  
**Kösem, S** T15-13A  
**Kössl, M** T17-8A, T17-4B, T17-1C, T18-1A  
**Kotlinska, JH** T4-2B  
**Kouznetsova, E** T11-21C  
**Kovalchuk, Y** T16-5A, T16-8A, T16-9A  
**Kowalski, J** T23-15A  
**Kozyrev, V** T16-8C, T24-4C, T24-6C  
**Kracht, B** T1-4B  
**Kraemer, M** T11-13A  
**Kragler, A** T6-7C  
**Krajacic, A** S7-4  
**Krajciova, G** T11-15C  
**Kral, A** T18-2B  
**Kramer, E** T11-20B  
**Kramer, ER** T2-1C  
**Kramer, MA** S14-3  
**Krämer, M** T16-12B  
**Krämer, S** T17-6B  
**Krampfl, K** T11-7C  
**Krannich, S** T23-9B  
**Krapp, HG** T14-3C, T14-4C, T14-8C  
**Kraskov, A** S22-1  
**Kraus, SL** T11-6A  
**Krause, AF** T14-6C  
**Krause, ET** T25-9C  
**Krause, M** T15-7C  
**Krauss, JK** T13-7B  
**Krebs, S** T11-1C  
**Kreher, U** T2-8B  
**Kreienkamp, HJ** T2-5C, T10-2C  
**Kreissl, M** T26-1B  
**Kreissl, S** T4-6A  
**Kreiter, A** T25-14C  
**Kreiter, AK** T16-1B, T16-2B, T16-5C, T26-13A  
**Kreitz, S** T27-5A  
**Kremer, T** T2-2C, T7-16C  
**Kremers, J** T15-11A  
**Kremkow, J** T26-6B, T26-4C  
**Krempler, K** T16-3B  
**Kresse, A** T18-9C  
**Kressel, J** T1-19B  
**Kretschmer, F** T15-13C  
**Kretzberg, J** S2-5, T15-13C, T23-9C

- Kretzinger, U** T15-15B  
**Kreul, F** T8-10B  
**Kreutz, M** T2-9A, T7-1C, T16-2A  
**Kreutz, MR** Sat2-5, S24-3, T2-4B, T8-8C, T12-4A, T12-4C, T13-6C  
**Kreutzer, M** T11-14B  
**Kreutzfeldt, M** T12-7C, T12-9C  
**Kreysing, M** T15-12A, T15-13A, T15-14A  
**Kriegebaum, C** T22-3C  
**Kriegebaum, CB** T22-5C  
**Krieger, J** T19-19B, T19-4C, T19-5C  
**Krieglstein, K** T1-13A, T1-2C  
**Krishna, K** T1-8A  
**Kristeva, R** T20-8B, T21-9A  
**Krohne, G** T25-13A  
**Kroker, KS** T19-19A  
**Kromer, T** T26-5A  
**Kron, M** T11-4A, T11-3B  
**Krueger, MT** T1-5B  
**Krug, C** T21-10C  
**Krügel, T** T4-3C  
**Krügel, U** T4-3C  
**Krüger, B** T15-3A  
**Krugers, HJ** S10-2  
**Krupp, AJ** T2-7A  
**Kübler, LS** T20-2A  
**Kücker, S** T23-5B  
**Kudolo, J** T8-3B  
**Kuebler, LS** T19-24B  
**Kuepper, T** T26-12C  
**Kügler, S** S19-1  
**Kühl, A** T5-2C  
**Kuhn, S** T17-3B  
**Kuhse, J** T6-3C  
**Kulik, A** T5-3B  
**Kullmann, J** T2-3A  
**Külz, GB** T24-3B  
**Kumagai, T** T18-10B  
**Kuner, T** T7-16C  
**Kunkel, S** T26-7B  
**Kunst, M** T21-10C  
**Künzel, S** T17-14A  
**Künzel, T** T18-8A  
**Kuokkanen, PT** S20-3, T18-3B  
**Küppers, E** T9-12C  
**Kurt, S** T18-10A, T18-6C, T25-5A, T25-7A  
**Kurtanska, S** T9-14A  
**Kurtenbach, S** T11-1A, T19-7B  
**Kurtz, R** T7-14A, T14-2A, T14-6A  
**Kuscha, V** T1-15C  
**Kuteykin-Teplyakov, K** T12-4B  
**Kutsch, W** T25-15C  
**Kutzki, O** T17-2B  
**Kvashnina, E** T1-13C
- L**
- Lakaemper, S** T7-1B  
**Lakes-Harlan, R** T17-7C  
**Lam, C** T3-5C  
**Lambacher, A** T15-2C, T27-9B  
**Lamberti, R** T15-1B  
**Lamme, VAF** S16-4  
**Lammert, K** T11-21B  
**Lamoureux, P** S15-3  
**Lanctôt, C** T15-13A  
**Landgraf, I** T15-13C  
**Landgraf, P** T2-4B, T12-4A, T12-4C  
**Lang, D** T17-5B  
**Lang, P** T18-9A  
**Lange, M** T7-14B  
**Langer, J** T9-4A  
**Larkum, ME** T20-2C  
**Larrat, B** S15-6  
**Larsson, HB** T20-1B  
**Latz, M** T21-6C  
**Lau, T** T6-4A  
**Laughlin, SB** T14-3C  
**Lauritzen, M** S1-6  
**Lautemann, N** S20-3, T18-3B, T18-14C  
**Lavista Llanos, S** T19-22B  
**Layer, P** T3-1C  
**Le, Q** T6-5A  
**LE MEUR, K** T9-10C  
**Lee, J** T3-4B  
**Lee, JE** T13-1B  
**Lee, JH** S18-3  
**Lee, JHT** T3-5C  
**Legenstein, R** S8-4  
**Lehmann, FO** T14-10B  
**Lehmann, K** T16-11A, T16-13B  
**Lehmann, M** T25-9B  
**Lehmann, S** T1-8C



- Leib, C** T1-14C  
**Leib, S** T12-6B  
**Leib, SL** T3-5A  
**Leibold, C** T7-6B, T25-15B, T26-9C  
**Leinders-Zufall, T** T19-13A  
**Leinweber, M** T16-12A  
**Lemke, C** T3-3A  
**Lemon, R** S22-1  
**Lenarz, T** T17-14B, T17-6C  
**Lengersdorf, D** T27-4A  
**Leong, JCS** T16-12A  
**Lepier, A** T27-5B  
**Lesch, KP** T13-5C, T22-3C, T22-5C  
**Leschiner, S** T12-5A  
**Lesica, NA** T18-5C  
**Leske, O** T13-3A  
**Leßmann, V** T4-6B, T4-1C, T4-2C, T8-5C  
**Lessner, G** T1-14B, T11-14B  
**Lesting, J** T11-5B, T23-2A, T25-1A  
**Levin, E** T12-5A  
**Levina, A** T26-14A  
**Levora, J** T11-22C  
**Lewald, J** T18-7A  
**Lewejohann, L** T11-11B  
**Leweke, FM** T13-6A, T13-7C  
**Lex, B** T24-11A  
**Li, KW** T13-6C  
**Li, L** S24-5  
**Liang, X** T17-1B  
**Liang, P** T14-4A, T14-6B  
**Liaschenko, D** T7-16B  
**Lichtenecker, P** T4-1C  
**Liebau, A** T18-14B  
**Lienbacher, K** T16-3A, T16-4B  
**Lim, H** T17-6C  
**Lim, HH** T17-14B  
**Lima, B** T16-10C, T16-12C  
**Liman, J** T11-12B, T11-16C  
**Lin, J** T3-3A, T21-1B  
**Lin, S** T1-1B  
**Lindemann, C** T13-5B  
**Lindemann, JP** T14-6B  
**Lindvall, O** T1-12B  
**Lingner, A** T18-4C  
**Lingor, P** T12-5B  
**Linkenkaer-Hansen, K** T23-1C  
**Linker, RA** T13-4B  
**Linnertz, R** T9-2A  
**Liotta, A** T7-7A, T8-5B  
**Lipp, HP** T13-2B  
**Lippert, MT** T23-12A  
**Lison, H** T27-1B  
**Lissek, S** S4-4  
**Liu, J** S7-1, T3-5C  
**Loaiza, A** T9-13A  
**Lochte, A** T16-8C, T24-6C  
**Loebel, A** T7-15A  
**Loewel, S** T16-4A, T26-9A  
**Logothetis, NK** P3, T21-6B  
**Lohmann, C** T2-5B, T2-11B  
**Lohr, C** T9-7A, T9-8A, T9-13A  
**Löhrke, S** T18-7B  
**Lohse, MJ** T27-4B  
**Londono, M** T22-2B  
**Longatti, A** S18-1  
**Longden, KD** T14-4C  
**LOUIS, T** T25-4B  
**Low, YF** T24-10B  
**Löwel, S** T16-11A, T16-3B, T16-13B, T26-1B, T26-5C  
**Lu, S** T17-13B  
**Lu, Q** T17-9B  
**Lübbert, H** T11-1A, T11-2A, T12-8A, T20-5A  
**Lübbert, M** T20-6B  
**Lubics, A** T5-2A, T22-2A  
**Ludolph, AC** T12-1B  
**Luhmann, HJ** Sat2-8, T1-6A, T3-2A, T4-4A, T7-9A  
**Lukács, A** T11-19B  
**Luksch, H** T15-15B, T18-8A, T27-2C  
**Lüling, H** T26-9C  
**Luo, J** T3-3A, T21-1B  
**Lüscher, B** T2-10A  
**Lüscher, HR** T5-1A  
**Lüthi, A** S21-3  
**Luxenhofer, G** T21-7B

## M

- Ma, L** S24-6  
**Ma, S** T19-9A  
**Maack, N** T27-3A  
**Maas, A** T4-5A  
**Maass, W** S16-1  
**Macharadze, T** T16-2A  
**Maciaczyk, J** T1-6B  
**Maggio, N** T23-7A  
**Mai, A** S20-5  
**Maier, S** T21-2B



- Maike, F** T19-19B  
**Makarov, F** T15-7A  
**Males, T** T12-3B  
**Malkemper, P** T18-8B  
**Mallot, HA** T25-10C  
**Malyshev, A** T26-1A  
**Mamasuew, K** T19-10C, T19-12C  
**Mandalapu, S** T7-1B  
**Mandon, S** T26-13A  
**Mané, M** T11-15A  
**Maniv, I** T12-5A  
**Mank, M** S5-2  
**Mann, E** T23-1C  
**Mann, M** T9-2C, T16-10A  
**Manns, M** T16-11B, T19-5A, T19-15B, T25-13C  
**Mansvelde, H** T23-1C  
**Manzini, I** T1-9A, T9-14A, T19-8A, T19-22A  
**Manzke, T** T10-4C, T10-5C  
**Marandi, N** T16-5A, T16-9A  
**marcello, A** T11-16A  
**Marek, I** T12-5A  
**Marienfeld, R** T3-4B  
**Marion-Poll, F** T19-3B  
**Markram, H** T7-15A  
**Markus, M** T21-1B  
**Marom, S** S20-1  
**Marquardt, T** T11-21A  
**Martin, KA** S8-3  
**Martin, KAC** T16-6C  
**Martin, S** S10-2  
**Martin, T** T25-6B  
**Märting, R** T26-2A  
**Martinelli, GP** T2-4A, T23-14C  
**Martinez-Trujillo, J** T24-5B  
**Martius, G** T25-11C  
**Marunde, M** T16-2A  
**Maruschak, B** T21-3A  
**Marx, C** T24-11A  
**Mashukova, A** T19-10B  
**Masson, GS** T26-6B  
**Mateos, JM** T2-4C  
**Matheson, T** T14-7C, T21-11B, T21-2C  
**Matsumoto, M** T18-1C  
**Mattern, F** T4-4B  
**Matthias, S** T15-12A  
**Maurer, C** T20-8B, T21-9A  
**Maurer, CM** T15-11B  
**Mausberg, A** T12-3B  
**Maw, M** T15-2A, T15-11A  
**Maxeiner, S** T15-4A  
**Mayer, U** T25-12A  
**McAllister, K** Sat1-2  
**McDearmid, JR** T2-6C, T23-10C  
**McDonald, RS** T11-7B  
**McKnight, NC** S18-1  
**McMahon, MJ** S23-3  
**Meaney, D** S15-1  
**Medendorp, WP** S22-5  
**Medici, V** T14-9C  
**Meier, C** T2-11A  
**Meier, I** T25-9C  
**Meier, SD** T9-6A  
**Meigen, T** T16-12B  
**Meinertzhagen, I** T19-17C  
**Meinertzhagen, IA** T14-9B  
**Meinhart, D** T15-13C  
**Meis, S** T5-3A  
**Meisner, S** T20-6A  
**Meißner, T** T12-10B  
**Meister, H** T18-11C  
**Mella de Queiros, F** No abstract submission  
**Melzer, N** T12-9A  
**Memmesheimer, RM** S8-6  
**Mendritzki, S** T11-1A, T11-2A  
**Menzel, R** T19-15A, T19-21A, T19-2B, T19-13B, T19-16B, T25-4A  
**Menzfeld, C** T9-9C  
**Mercado, A** T6-7A  
**Merdian, I** T12-1B  
**Mergia, E** T7-8B  
**Merkler, D** T12-9B, T12-7C, T12-9C  
**Merschbaecher, K** T25-6B  
**Merten, K** T24-11B  
**Mertgens, H** T10-3B  
**Messemer, N** T1-18B  
**Messlinger, K** T6-2B  
**Methner, A** T11-1B  
**Mettenleiter, TC** T16-3A  
**Metzen, MG** T17-4C  
**Metzler, M** T10-1A  
**Metzner, W** T18-12C  
**Meuth, P** T12-3A  
**Meuth, SG** T12-3A, T12-7A, T12-9A  
**Mey, J** T12-6A, T12-2B, T18-8A



- Meyer, A** T16-2B, T19-19A  
**Meyer, AH** T3-2B, T5-1B  
**Meyer, D** T8-12B  
**Meyer, EM** T18-11A  
**Meyer, G** T2-7C, T17-1A  
**Meyer, HG** T14-2A  
**Meyer zu Hörste, G** T12-3B  
**Mezler, M** T3-2B  
**Michaelsen, K** T2-7B, T8-4C  
**Michalakakis, S** T15-9A  
**Michel, C** T12-4C  
**Michel, U** T9-5C, T12-5B  
**Michels, B** T25-13A, T25-1B  
**Michler, F** T8-11B  
**Middleton, S** S14-2  
**Miech, C** T7-15C  
**Mies, G** T10-1B, T10-3B, T24-11A  
**Mikhaylova, M** Sat2-5, T2-9A, T7-1C, T8-8C, T13-6C  
**Mikkat, S** T11-14B  
**Miles, R** T6-4B  
**Miller, FD** S7-1  
**Miller, K** S15-3  
**Milos, RI** T16-5A  
**Mingarelli, M** Sat1-1  
**Minge, D** T6-7B  
**Minoli, SA** T19-3B  
**Miquelajauregui, A** T1-15A  
**Mishra, A** T7-11B  
**Mishra, D** T19-7C, T25-1B  
**Mißbach, C** T19-21B  
**Mittag, CJ** T23-4A  
**Mittelstaedt, T** T7-8A  
**Mittmann, T** T7-8B, T8-2B, T8-6B  
**Mix, A** T4-5C, T20-3C  
**Mix, E** T21-1B  
**Mizushima, N** S18-4  
**Möckel, D** T17-1C  
**Moeller, A** T3-2B  
**Moeller, CK** T25-7A  
**Mogdans, J** T17-1A, T17-5A, T17-6A, T17-14A  
**Moita, MA** S21-4  
**Moliadze, V** T21-10B  
**Möller, HJ** S13-4  
**Möller, T** T12-2C  
**Molnar, L** T5-2A, T20-3A, T22-2A, T22-3A  
**Molnar, Z** T2-8A  
**Momma, S** T1-5A, T1-18B  
**Mondin, M** T7-10A  
**Monroe, E** S17-1  
**Montag, D** T7-5A  
**Monyer, H** T8-2C, T23-8B  
**Moolenaar, WH** T1-7C  
**Mora-Ferrer, C** T15-3B, T15-14C  
**Morawetz, C** T16-8B  
**Morawski, M** T11-21C  
**Morciano, M** T7-3A  
**Moritz, S** T1-8C  
**Moroz, LL** S17-2  
**Morrison, A** T25-10A, T26-7B, T26-7C  
**Morsch, M** T6-5B  
**Moser, T** T7-2B  
**Moser, M** T7-5A  
**Moser, T** T7-19A, T17-9C, T18-13C  
**Moses, E** T23-2B  
**Moshayedi, P** S15-2  
**Motzkus, NJ** T25-14B  
**Mount, D** T6-7A  
**Mrsic-Flogel, TD** T16-12A  
**Mueller, BK** T3-2B  
**Mueller, J** T9-11B  
**Mueller, R** T3-2B, T26-12C  
**Mueller, U** T25-14A, T25-3B, T25-5B, T25-6B  
**Muenz, TS** T14-10A, T19-14A  
**Mulder, A** T23-1C  
**Muller, E** T26-4C  
**Müller, A** T3-4B, T7-5A  
**Müller, B** T15-1A, T18-7B  
**Müller, CC** T13-7A  
**Müller, HW** S7-3, T3-2C, T3-3C, T3-4C  
**Müller, K** T16-6B  
**Müller, M** T8-1C, T9-1B, T11-4A, T11-12A, T11-15A, T11-3B, T12-5C  
**Müller, MB** S10-5  
**Müller, MC** T1-11A, T1-12A  
**Müller, R** T11-9C  
**Müller, U** T4-3A  
**Müller, T** T11-13B  
**Müller-Reichert, T** T17-1B  
**Mulloney, B** T21-8A  
**Münch, D** T19-9A, T19-1C  
**Münch, TA** S2-2  
**Munk, M** T26-14B  
**Munsch, T** T2-9A, T5-3A

**Murayama, M** T20-2C  
**Murayama, Y** T21-6B  
**Murck, K** T2-7B  
**Mustari, M** T16-4B  
**Muthmann, O** T26-8C  
**Myakhar, O** T7-18A

## N

**Nadrigny, F** T9-12A, T9-11C, T9-14C, T27-2A  
**Nadrowski, B** T17-9B, T17-12B  
**Nagel, F** T11-20A, T11-20B  
**Nagel, SK** T13-2C  
**Nagel-Wolfrum, K** T11-11C  
**Nägerl, UV** T8-4A  
**Nagymajtényi, L** T20-5B, T24-7B  
**Nair, R** T7-11A  
**Nakagawa, J** T10-3C  
**Naranjo, JR** T20-8B, T21-9A  
**Narayanan, RT** T25-1A  
**Narushima, M** T16-5A, T16-9A  
**Nass, R** S4-1, T2-8B, T11-22C  
**natora, M** T27-7B  
**Natusch, C** T24-9C  
**Nau, R** T9-5C, T9-6C  
**Naumann, N** T1-6C  
**Naumann, RK** T20-5C  
**Nauroth, IE** T17-5A  
**Nave, KA** T1-15A, T2-9C, T2-10C, T8-2C, T27-9C  
**Nawrot, MP** T16-15A, T26-4B, T27-4C  
**Nawrotzki, R** T7-16C  
**Neef, A** T17-9C, T18-13C  
**Neher, E** T5-3C  
**Neitz, A** T7-8B  
**Neitzel, S** T26-13A  
**Nemeth, J** T22-2A  
**Nessler, S** T12-9B  
**Neu, A** T6-5A  
**Neubauer, FB** T5-1A  
**Neuenschwander, S** T16-10C, T16-12C  
**Neugebauer, F** T25-16B  
**Neuhaus, E** T11-1A  
**Neuhaus, EM** T5-4A, T19-17A, T19-7B, T19-10B, T19-11B  
**Neuhaus, SC** T15-9B, T15-14B, T15-11B, T16-6B  
**Neumann, J** T10-3A  
**Neumann, K** T9-9C  
**Neumann, S** T12-4B  
**Neumeyer, C** T15-10A, T15-4B  
**Neupert, S** S17-3, T19-17B, T22-4C, T27-8B, T27-6C  
**Neusch, C** T9-14C, T11-18C, T27-2A  
**Neuser, F** T1-9B  
**Neuser, K** S11-5, T25-5C  
**Nevian, T** T20-2C  
**Newland, P** T3-3B, T20-4C  
**Newland, PL** T19-14B, T20-3B, T26-2C  
**Ng, B** T16-5B  
**Nguyen, HP** T11-9B, T11-10B  
**Nickel, W** T9-2C  
**Niebergall, R** T24-5B  
**Niebert, M** T10-4C, T27-8C  
**Nieder, A** T24-1B, T24-2B, T24-11B, T24-1C  
**Niederleitner, B** T1-8B  
**Nielsen, TA** T14-7C  
**Nieratschker, V** T7-16A  
**Niessen, H** T9-9B  
**Nietzer, SL** T22-3C, T22-5C  
**Niewalda, T** T19-3C  
**Nighorn, A** T19-8B  
**Nikiforuk, A** T24-1A  
**Nikkhah, G** T1-6B, T11-7A, T11-8A, T11-17A, T11-4B, T11-8B, T11-1C, T11-6C  
**Nikolaev, V** T27-4B  
**Nilsson, H** T14-7C  
**Nitsch, R** T1-7C, T7-7C  
**Nityanandam, A** T1-15A  
**Nixdorf-Bergweiler, BE** T11-21B  
**Nixon, RA** S18-3  
**Noack, R** T11-1B  
**Noblejas, MI** T13-4A  
**Noda, M** S3-3  
**Noelle, A** T11-17C, T25-8C  
**Nolte, C** T9-11B  
**Noriaki, S** T22-2B  
**Norreel, JC** T3-2B  
**Nothwang, HG** T6-7A, T17-13A, T18-9A  
**Nouvian, R** T7-2B  
**Novak, B** T20-5A  
**Novak, M** T11-15C  
**Nowotny, M** T17-1C, T18-6B  
**Nudelman, I** T11-11C



**Nuerk, HC** T22-3B  
**Nuschke, A** T19-17C  
**Nuwal, T** T7-8C

## O

**Oberegelsbacher, C** T14-8B  
**Oberland, J** T1-15B  
**Obermair, GJ** T2-3C  
**Obermayer, K** T24-2C, T26-14B, T27-7B  
**Oberson, K** T3-5A, T12-6B  
**Obrig, H** T24-3C  
**Oehlke, O** T1-13A  
**Oelschläger, HHA** T18-8B  
**Oertner, TG** T7-12A, T7-4C, T7-12C  
**Oesterwind, K** T11-11B  
**Offenhäusser, A** T23-4B  
**Ogueta-Gutierrez, M** S5-8  
**Ohl, F** T23-10A, T27-4A  
**Ohl, FW** T13-4A, T16-6A, T18-12A, T18-3C, T23-12A, T23-3B, T25-2C, T25-12C, T27-6A  
**Ohlmann, A** T15-7B  
**Ohtsuka, T** T15-11A  
**Oitzl, MS** S10-3  
**Oka, Y** T19-19C  
**Oku, Y** T9-13B  
**Okujeni, S** S20-2, T23-11A, T23-14B, T23-5C, T23-7C  
**Okuno, Y** S3-3  
**Oliveira, EE** T21-4C  
**Olpe, HR** Sat1-2  
**Olsson, SO** T19-24B  
**Omer, T** T11-1C  
**Omlor, W** T20-8B, T21-9A  
**Önal, C** T24-3A  
**Onken, A** T26-14B  
**Opper, B** T22-2A  
**Orsi, A** S18-1  
**Ortega, G** T13-5C, T22-3C, T22-5C  
**Orth, A** T6-1A  
**Osswald, M** T1-12A  
**Osterberg, N** T1-13A, T1-16A  
**Ostrowski, T** T23-5A  
**Otahal, J** T8-6A  
**Otte, DM** S13-1  
**Overlack, N** T11-11C

## P

**P. Araújo, J** T11-2C  
**Paarmann, I** T2-7C  
**Pacary, E** S6-5  
**Paeger, L** T19-21C  
**Pahlisch, F** T13-6A, T13-7C  
**Pamberg, AM** T20-7A  
**Pan, ZH** S23-1  
**Pandithage, R** T2-10A  
**Panford-Walsh, R** T17-12A, T18-13A  
**Pannicke, T** T9-2A, T9-10A  
**Papazoglou, A** T11-7A, T11-17A, T11-4B, T11-6C  
**Pape, HC** S21-6, T2-4B, T5-4B, T6-3A, T6-3B, T7-14B, T9-7A, T11-5B, T23-2A, T23-4A, T23-6A, T25-1A  
**Pape, M** T1-1B  
**Papp, A** T11-19B, T20-5B, T24-7B, T27-8A  
**Paquet-Durand, F** T11-8C  
**Paris, F** T12-8A  
**Park, D** T14-9B  
**Parkanova, D** T23-10B  
**Parsons, MM** T14-3C  
**Party, V** T19-6B  
**Pasham, P** T2-9A  
**Passeri, E** T17-12A  
**Passlick, S** T9-7B, T11-13C  
**Patz, S** Sat2-7, T5-2B, T8-2B  
**Patzke, N** T19-5A, T19-15B  
**Paul, V** T1-7A  
**Paulke, BR** T11-2B  
**Paulsen, O** T23-1C  
**Paulukat, L** T7-14B  
**Paulus, W** T16-8B, T21-10B  
**Pauly, MC** T11-7A  
**Pavlica, S** T11-21C  
**Pawelzik, KR** T26-13A  
**Pawlak, CR** T13-7A  
**Pazour, GJ** T21-6C  
**Pearse, DD** S7-4  
**Pecevski, D** T26-4C  
**Pecka, M** T18-4C  
**Peichl, L** T15-1A, T15-12A, T15-13A, T15-14A, T15-15A, T15-11B, T15-3C  
**Peisker, N** T16-4B  
**Penninger, J** T27-5A  
**Pérez de Sevilla Müller, L** T15-4A

- Perez-Cruz, C** T13-1A, T23-3A  
**Perez-Garci, E** T20-2C  
**Perlas, E** T2-3A  
**Perona, MTG** T13-5C  
**Perrinet, L** T26-6B, T26-3C, T26-4C  
**Peruga, I** T13-4B  
**Peter, M** T25-10B  
**Peters, S** T18-7A  
**Petersen, C** T20-8C  
**Peterson, K** T14-8C  
**Petow, S** T25-9C  
**Petri, S** T11-7C  
**Pfanzelt, S** T17-8C  
**Pfeiffer, K** T14-5A, T20-6C  
**Pfeiffer, S** T19-1C  
**Pfister, M** T17-10A, T17-13C  
**Pflüger, HJ** T4-1B, T21-9C  
**Philipp, C** T26-4A  
**Philipp, ST** T8-11B  
**Pichler, B** T16-5A, T16-9A  
**Pieper, M** T15-5C  
**Pilz, P** T22-1C  
**Pilz, PK** T18-6B  
**Pinkernelle, J** T2-12B  
**Pinto, L** T16-12C  
**Pirone, A** T6-10C  
**Piroth, T** T11-7A, T11-1C  
**Pivneva, T** T9-11B  
**Pix, CM** T26-11C  
**Pizzorusso, T** S9-3  
**Plaas, M** T11-20B  
**Plano, A** Sat1-1  
**Platt, B** Sat1-1  
**Plemel, J** T3-5C  
**Plessler, HE** T26-1C  
**Plett, J** S5-2, T14-1B  
**Pletzer, BA** T22-3B  
**Plunet, W** T3-5C  
**Poock, B** S11-5, T25-5C  
**Pollak, E** T5-2A, T20-3A, T22-2A, T22-3A  
**Pompe, W** T12-10B  
**Ponimaskin, E** T5-3C, T8-11C  
**Popik, P** T24-1A  
**Popovych, S** T26-12C  
**Popp, A** T12-8A  
**Poppek, A** T6-7C  
**Poppy, GM** T19-14B  
**Porres, C** T18-7C  
**Posnien, N** T1-10A  
**Pothmann, L** T17-14C  
**Potjans, TC** T26-2B  
**Potjans, W** T25-10A  
**Potthoff, A** T12-10B  
**Poulet, J** T20-8C  
**Poulopoulos, A** T2-7C, T7-11C  
**Pramanik, G** T4-6B  
**Predel, R** S17-3, T19-17B, T22-4C, T27-6C  
**Preissl, H** T22-2C  
**Prešern, J** T19-6B  
**Prinz, M** S3-1, T12-2C  
**Przegalinski, E** T13-3B  
**Puller, C** T15-8A, T15-2B  
**Pusch, CM** T17-10A  
**Pusch, R** T15-8B  
**Puschmann, AK** T4-4B  
**Pütz, S** T4-3B, T11-17B  
**Pyk, P** T27-7C  
**Pyka, M** T7-15B, T9-10B
- Q**
- Quallo, M** S22-1  
**Qualmann, B** Sat2-4, T7-5A  
**Quignodon, L** T6-6A  
**Quinones, D** T6-3C  
**Quyenn3, MLV** T6-5A
- R**
- Raber, K** T13-2B  
**Raber, KA** T11-9B, T11-10B  
**Racay, P** T12-2A  
**Raccuglia, D** T4-3A  
**Racic, S** T7-8C  
**Rácz, I** T6-5B  
**Radtke, D** T6-5C, T20-6B  
**Radyushkin, K** T8-2C  
**Rafflenbeul, L** T27-3C  
**Raghu, SV** T14-2B  
**Rajendran, L** P4  
**Rajeswaran, P** T17-12B  
**Ramachandran, B** T8-11A  
**Rammsayer, T** T24-10C, T26-16C  
**Rapp, B** T19-12A  
**Rasche, S** T19-10B  
**Rath, L** T25-15C  
**Rathjen, FG** S24-1  
**Rau, F** T27-4C  
**Rauchfuss, S** S5-8  
**Rausser, S** T1-10B



- Rauskolb, S** T2-6B  
**Rautenberg, PL** T2-8C  
**Raymond-Delpech, V**  
 T25-4B  
**Rduch, AE** T9-3A  
**Rebibo-Sabbah, A** T11-  
 11C  
**Redecker, C** T1-15B  
**Redies, C** T1-8A, T3-3A, T10-  
 4B, T21-1B  
**Reed, JC** T11-16C  
**Regen, T** T9-14B, T9-6C,  
 T12-6A, T12-2B  
**Regen, T** T12-2C  
**Reglodi, D** T5-2A, T22-2A  
**Regus-Leidig, H** T7-2A,  
 T11-10B, T15-12B  
**Rehbein, M** T2-5C  
**Reich, H** T24-10A  
**Reichardt, HM** T9-9C  
**Reichenbach, A** T9-2A,  
 T9-10A, T9-11A, T9-5B, T15-7A,  
 T15-12A, T15-13A, T15-14A,  
 T15-15A, T27-7A  
**Reichenbach, J** T10-1A  
**Reichinnek, S** T25-7B, T25-  
 8B  
**Reichl, L** T26-9A  
**Reiff, D** T14-5C  
**Reiff, DF** S5-2, T14-2B  
**Reiff, T** T1-19A  
**Reim, K** T7-2A, T18-5B  
**Reimer, ICG** T26-13C  
**Reimer, MM** T1-15C  
**Rein, J** T19-10A  
**Rein, S** T15-6B, T27-3C  
**Reinartz, S** T23-7C  
**Reinhard, J** T1-17C  
**Reinhardt, D** T3-1A  
**Reisch, D** T25-13A  
**Reischig, T** T23-9A, T23-6B,  
 T23-13B, T23-14C  
**Reiser, G** T11-12C  
**Rempel, HC** T16-5C  
**Remy, S** T7-13B  
**Renner, U** T5-3C  
**Renou, M** T19-6B  
**Renzi, M** T25-2A  
**Rether, K** T25-5B  
**Reuss, B** T1-2B, T1-11B, T1-  
 13B  
**Reuter, G** T17-14B, T17-6C  
**Reuter, J** T11-12A  
**Reyes-Haro, D** T9-11B  
**Reymann, KG** T11-10A,  
 T11-11A, T12-4A  
**Reynolds, IJ** T11-9A  
**Rhea, J** T22-1B  
**Rhee, JS** T7-1A, T7-11A  
**Ribes, S** T9-5C, T9-6C  
**Ribic, A** T2-1A  
**Rice, C** S10-1  
**Richardson, MJ** T7-15A  
**Richmond, T** S17-1  
**Richter, D** T2-5C, T10-2C  
**Richter, DW** T5-3C, T8-  
 11C, T10-4C, T27-8C  
**Richter, V** T12-10B  
**Richter-Landsberg, C**  
 T11-15B  
**Riedel, A** T25-12B  
**Riedel, G** Sat1-1  
**Riedel, M** T11-15B  
**Rieger, A** T9-8A  
**Riehle, A** S16-3, T26-3B  
**Riek-Burchardt, M** T12-  
 4A  
**Riess, O** T11-10B  
**Rijal Upadhaya, A** T11-  
 3A, T11-18A  
**Rillich, J** T9-3B  
**Rinke, I** T6-8B  
**Ritter, M** T1-14C  
**Ritz, MF** T12-1A  
**Ritze, Y** S5-8  
**Ritzmann, RE** S11-3  
**Riva, MA** T13-5A  
**Robbins, EM** T2-7A  
**Rocca, E** T1-4C  
**Roces, F** T19-3A, T20-2A  
**Rochat, D** T19-6B  
**Rochefort, NL** T16-5A,  
 T16-8A, T16-9A  
**Rodriguez-Martinez, M**  
 T23-2B  
**Roessler, W** T19-17C  
**Roessner, V** T10-5C  
**Rohbock, K** T17-13A, T18-  
 13A  
**Rohn, S** T11-6B  
**Rohrer, H** Sat2-2, T1-17A,  
 T1-19A, T1-1B  
**Rolfs, A** T21-1B  
**Romanova, EV** S17-2, T13-  
 1B  
**Ronacher, B** T17-11A, T17-  
 2B, T17-6B, T24-5A  
**Rönicke, R** T11-10A

- Rönicke, S** T11-12C  
**Roopun, AK** S14-3  
**Rose, CR** T9-3A, T9-4A, T9-5A, T9-6A  
**Rose, K** T15-8C  
**Rose, T** T7-12C  
**Rose, U** T6-11A  
**Rosenbaum, P** T21-5A  
**Roska, B** S2-2, S23-2  
**Rosner, R** T14-4B  
**Rospars, JP** T19-1B  
**Rössert, C** T17-8C  
**Rossi, F** S9-4  
**Rössler, W** T14-10A, T19-2A, T19-3A, T19-4A, T19-14A, T19-19A, T19-18B  
**Rossner, MJ** T27-7A  
**Rotermund, D** T26-13A  
**Roth, S** T16-6C, T22-4C  
**Roth-Alpermann, C** T20-7B, T2-11B, T20-5C  
**Rothenberger, A** T10-5C  
**Rothermel, M** T16-3A  
**Rothkegel, M** T2-7B  
**Rotshenker, S** T9-9C  
**Rotte, C** T7-3C  
**Rotter, S** T26-5B, T26-12B, T26-13B, T26-6C, T26-8C, T26-13C  
**Roussa, E** T1-13A, T1-16A  
**Roussel, E** T25-16C  
**Roux, S** T16-9C, T26-3B  
**Roxin, A** S8-5  
**Rubakhin, SS** S17-2  
**Rubio, ME** T9-13C  
**Ruchty, M** T20-2A  
**Rudolph, S** T9-13C  
**Rudolph, U** S14-4  
**Ruesch, E** T16-6C  
**Rujescu, D** S13-4  
**Rummel, J** T25-2B  
**Rumpel, S** S21-5, T25-10B, T25-11B  
**Ruoff, C** T27-2C  
**Ruploh, T** T19-18A  
**Rupprecht, V** T7-17A  
**Rust, M** T2-3A, T8-3A  
**Ruth, P** T17-10A, T22-2C  
**Ruttiger, L** T6-10C  
**Rüttiger, L** T17-9A, T18-13A, T18-12B, T18-1C
- S**
- Saab, AS** T9-13C  
**Sacher, T** T23-9C  
**Sachse, S** S5-6, T19-23A, T19-20B, T19-23B, T19-14C  
**Sachser, N** T11-11B  
**Saftig, P** S18-5  
**Sahel, J** No abstract submission  
**Sahin, J** T13-6C  
**Sakaba, T** T7-13A  
**Sakowitz, OW** S1-5  
**Saleh, H** T20-9C  
**Salgado, VL** T21-4C  
**Salinas, PC** S24-4  
**Saller, K** T16-8B  
**Salonikidis, PS** T27-8C  
**Salzig, C** T18-9A  
**Samakovlis, C** T7-4B  
**Sämman, PG** T24-3C  
**Sambandan, S** T8-12C  
**Sandoz, JC** T25-7C, T25-16C  
**Santhanam, N** T1-19B  
**Saraiva, LR** T19-20C  
**Sareen, P** S5-3  
**Sárközi, L** T20-5B, T24-7B  
**Sarlette, A** T11-7C  
**Sartorius, T** T22-2C  
**Sassoe-Pognetto, M** T25-2A  
**Saul, A** T23-14C  
**Saumweber, T** T25-13A  
**Sava, AB** T1-6A, T4-4A  
**Savaskan, NE** T1-7C  
**Sawyer, E** S15-1  
**Schächinger, H** S10-3  
**Schachtner, J** T4-1A, T19-4B, T19-17B  
**Schaefer, D** T7-9C  
**Schaefer, K** T20-1B  
**Schäfer, MK** T10-2A  
**Schäfers, A** T1-7B  
**Schäffer, S** S24-1  
**Schapp, S** T19-16A  
**Schattschneider, S** T27-6C  
**Scheffel, J** T9-14B, T12-2C  
**Scheiblich, HC** T11-9C  
**Scheich, H** T16-2A, T18-14A, T18-1B, T25-7A, T25-2C, T25-12C, T27-1B, T27-2B



- Scheller, A** T1-18C, T9-10C,  
T9-11C, T9-13C, T27-7A  
**Scherberger, H** S22-2, T21-  
11C  
**Scherf, T** T8-8A  
**Schett, G** T27-5A  
**Scheuss, V** T8-12B  
**Schick, B** T6-1C  
**Schiemann, D** T18-2B  
**Schierwater, B** T7-10C  
**Schiff, M** T1-14A  
**Schild, D** T1-9A, T9-14A,  
T19-8A, T19-22A  
**Schildberger, K** T4-5A,  
T19-16A  
**Schilling, K** S13-1, T2-12A  
**Schilling, S** S19-3  
**Schindowski, K** S19-2  
**Schipper, M** T16-7C  
**Schiwy, N** T3-2C, T3-3C  
**Schlegel, C** T15-3A  
**Schlich, K** T15-8C  
**Schlicksupp, A** T6-3C  
**Schliebs, R** T11-21C  
**Schloss, P** T6-4A  
**Schmeer, C** T12-8B, T16-3B  
**Schmeer, CW** T15-10B  
**Schmeichel, B** T19-1C  
**Schmeling, F** T14-8A  
**Schmid, C** T18-6A  
**Schmid, P** Sat1-2  
**Schmidt, I** T11-16B  
**Schmidt, J** T21-4B, T21-4C  
**Schmidt, H** S24-1, T8-10A  
**Schmidt, K** S23-6, T15-12C  
**Schmidt, KF** T16-4A, T16-  
11A, T16-13B  
**Schmidt, MV** S10-5  
**Schmidt, M** T1-1B, T3-2B  
**Schmidt, R** T8-1B, T8-10B,  
T25-15B  
**Schmidt, S** T10-1A, T11-1A,  
T11-2A, T16-4A  
**Schmidtke, D** T24-13B  
**Schmitt, A** S13-5, T13-6C,  
T22-3C  
**Schmitt, AG** T13-5C, T22-  
5C  
**Schmitt, I** T11-14A  
**Schmitt, N** T25-4A  
**Schmitt, O** T1-14B, T3-1A,  
T11-14B, T26-4A  
**Schmitz, B** T7-9C, T12-8A  
**Schmitz, C** T3-3C  
**Schmitz, D** T7-6B, T8-7B,  
T25-15B  
**Schmitz, J** T23-7B  
**Schmucker, D** S24-2  
**Schmucker, M** T19-13B, T26-  
4C  
**Schnakenberg, U** T23-4B  
**Schnauffer, C** T19-8C  
**Schneeberg, J** T12-4A  
**Schneggenburger, R** T8-  
1C  
**Schneider, A** S5-8  
**Schneider, E** T16-2C  
**Schneider, M** T13-1C, T13-  
4C  
**Schneider, MB** T1-19B  
**Schneider, N** T19-23C  
**Schneider, P** T13-3C  
**Schneider, S** T8-1B  
**Schneider, T** T11-9C, T26-  
12C  
**Schneider-Stock, R** T11-  
11A  
**Schnell, B** S5-2, T14-2B  
**Schnell, C** T9-13B, T11-18C  
**Schnieder, M** T11-16C  
**Schob, C** T11-10C  
**Schöbel, N** T6-6C  
**Schoch, S** T7-8A  
**Schoemaker, H** T3-2B  
**Scholz, H** S5-8  
**Scholze, B** T17-12C  
**Schomburg, ED** T9-12A,  
T9-11C, T9-14C, T27-2A  
**Schön, C** T15-3A  
**Schöneich, S** T23-8A  
**Schonewille, M** T25-2A  
**Schönthaler, HB** T15-11B  
**Schoofs, L** S17-1  
**Schott, B** T7-1C  
**Schreiber, C** T16-11C  
**Schreiber, S** T23-6C  
**Schrobsdorff, H** T24-11C,  
T26-6A, T26-7A  
**Schröder, UH** T11-11A  
**Schroeder, OHU** T23-12C  
**Schubert, M** S5-6, S7-5,  
T19-23A, T19-14C  
**Schubert, SW** T7-13C  
**Schuckel, J** T19-1A  
**Schuemann, A** T8-1A  
**Schul, D** T5-1B  
**Schuldt, C** T17-11C  
**Schüler, S** T7-5A



- Schulte, U** T6-6B  
**Schulte-Mönting, J** T20-8B, T21-9A  
**Schultz, C** T11-11B  
**Schultz, K** T15-4C  
**Schulz, JB** T11-21A  
**Schulz, K** T8-7A  
**Schulze, C** T16-3A  
**Schulze, H** T25-7A  
**Schulz-Klaus, B** T22-1C  
**Schumacher, J** S13-1  
**Schumacher, SB** T6-3C  
**Schumann, F** T16-2C  
**Schumann, M** T11-10A  
**Schuppe, H** T20-3B  
**Schuster, C** T26-15C  
**Schütt, J** T2-5C, T10-2C  
**Schwab, J** S7-6  
**Schwab, M** S13-2, T8-2C  
**Schwab, ME** T8-9B, T9-6B  
**Schwab, MH** T2-10C, T27-9C  
**Schwabe, K** T13-7B  
**Schwabe, L** S10-3  
**Schwalger, T** T26-10B  
**Schwark, M** T2-8A  
**Schwarting, RK** Sat1-3, T11-7B, T13-7A, T24-10A, T24-3B, T24-9C  
**Schwarz, C** T20-4B  
**Schwarzenbacher, K** T19-6C, T19-16C  
**Schweizer, M** T2-5C  
**Schwenger, D** S20-5  
**Schwenk, J** T6-6B  
**Sedmak, T** T21-6C  
**Seeger, G** T11-21C  
**Seeger, T** T6-11B  
**Seegmüller, A** T15-4B  
**Seffer, D** T25-10C  
**Segelcke, D** T12-8A  
**Segerling, CC** T16-1C  
**Seidel, K** T2-12B, T24-4B  
**Seidenbecher, C** S12-2, T1-4B, T7-1C, T9-10B  
**Seidenbecher, CI** T9-9B  
**Seidenbecher, T** T11-5B, T23-2A, T23-4A, T25-1A  
**Seid-Fatemi, A** T24-8C  
**Seifert, G** T8-4B, T9-10A, T9-7B, T11-18B  
**Seitz, D** T15-7B  
**Seitz, R** T15-7B  
**Selle, K** T11-11B  
**Senn, W** T20-2C  
**Sergeeva, OA** T6-7C, T6-9C  
**Sergejeva, M** T25-14B  
**Sestu, M** T9-4B  
**SETTIVARI, R** T11-22C  
**Seuntjens, E** T1-15A  
**Ševc, J** T1-3C  
**Sgourdou, P** T2-8A  
**Shahshahani, N** T19-23C  
**Sharma, Y** T2-9A  
**Shatz, CJ** T16-10A  
**Shchekinova, E** T20-9C  
**Shen, K** T7-1B  
**Shi, J** S5-2, T14-5C  
**Shigemoto, R** T5-3B  
**Shin, Y** T7-1A  
**Shterenberg, A** T12-5A  
**Shuai, L** T18-10C  
**Shumake, J** T25-12C  
**Sieber, M** T4-5B  
**Sieber, MW** T12-10C  
**Siebert, H** T21-3A  
**Siegel, F** T2-5B  
**Siegert, S** S2-2  
**Sigrist, SJ** T7-4B, T7-16B, T8-10A  
**Silberberg, G** T7-15A  
**Silbering, AF** T19-1C, T25-3A  
**Silbernagel, G** T22-2C  
**Silberring, J** T4-2B  
**Simeone, L** T7-13C  
**Simon, OJ** T12-7A  
**Simon, M** T13-1A, T23-3A  
**Simpson, D** T20-4C  
**Simpson, DM** T26-2C  
**Singer, W** T16-10C, T17-12A, T17-13A, T18-13A, T23-1B  
**Singh, B** T7-7C  
**Singhal, N** T24-5C  
**Singheiser, M** T18-5A, T27-4A  
**Sinha, R** T7-7B  
**Sinkus, R** S15-6  
**Sirko, S** T1-11C, T1-19C  
**Siveke, I** T18-5C, T26-9C  
**Skals, N** T19-3B  
**Skorupa, A** T1-16B  
**Skrabana, R** T11-15C  
**Sladek, M** T23-10B  
**Smalla, KH** T2-9A, T8-8C, T13-6C  
**Smarandache, CR** T21-8A  
**Smit, AB** T13-6C



- Snijders, DHJ** T23-4C  
**Söhler, S** T23-9A  
**Sohr, R** T13-5A  
**Sokolski, D** T3-4A  
**Solovei, I** T15-13A, T15-14A, T15-15A  
**Sombke, A** T19-12B  
**Sommer, C** T4-4B, T12-7B  
**Sommer, L** T25-3A  
**Somogy, I** T22-2A  
**Somogyi, I** T5-2A  
**Sonderegger, P** S12-3, T2-4C  
**Sonntag, S** T15-4C  
**Sora, I** T13-5C  
**Sörensen, I** T1-15C  
**Sørensen, JB** T7-10B  
**Soriano-Fradera, J** T23-2B  
**Sosniyenko, S** T23-10B  
**Sousa, V** S6-6  
**Soykan, T** T7-11C  
**Spalthoff, C** T14-6A  
**Spanagel, R** T13-7A, T13-1C, T13-4C  
**Sparling, J** S7-1  
**Spatz, J** T1-10C  
**Spatz, JP** T1-5C  
**Specht, D** T15-2A, T15-11A  
**Spehr, J** T6-5C, T6-6C, T19-13A  
**Spehr, M** T19-5B, T19-6A, T19-13A  
**Spessert, R** T7-5A, T15-1B  
**Spilker, C** Sat2-5, T8-8C  
**Spiwox-Becker, I** T7-5A, T15-9A, T15-1B  
**Spoormaker, VI** T24-3C  
**Spors, H** T19-22C, T19-23C  
**Sprekeler, H** T23-6C  
**Sprengel, R** T13-5A, T27-7A  
**Springer, A** T12-10B  
**Sreedharan, S** T8-11A  
**Sroka, K** T11-12B  
**Stadelmann, C** T12-9B, T12-7C  
**Stahr, A** T9-4C  
**Stan, A** T7-3B  
**Stange, G** T14-8A  
**Stange, N** T24-5A  
**Stangl, C** T23-11C  
**Stanis, JJ** T13-1B  
**Stanke, M** T1-1B  
**Stanke, MEU** T1-14C  
**Stade, B** T26-13C  
**Staufenbiel, M** T11-3A, T11-18A  
**Stavrides, P** S18-3  
**Steck, K** T19-11C, T25-13B, T25-1C  
**Steffens, H** T9-12A, T9-11C, T9-14C, T27-2A  
**Stegen, M** T12-5C, T12-6C  
**Steiger, A** T24-3C  
**Steigerwald, F** T11-21B  
**Stein, V** T2-7A, T6-8B, T7-11B  
**Stein, W** T21-1A  
**Steiner, A** T17-4A  
**Steiner, T** T9-5A  
**Steinfeld, J** T3-1C  
**Steinhäuser, C** T2-12A, T6-1B, T8-4B, T9-10A, T9-7B, T9-8B, T11-18B, T11-13C  
**Steinke, A** T9-12B  
**Stellmacher, A** T7-5A  
**Stemann, H** T24-9A  
**Stemmler, T** T24-9A  
**Stengl, M** T19-11A, T19-8B, T23-9A, T23-14A, T23-9B  
**Stenner, MP** T12-3A  
**Stensmyr, MC** T19-22B  
**Stephan, KM** T11-13A  
**Stephan, M** T11-9B  
**Stephan, VM** T24-6C  
**Stern, M** T1-4A, T2-4A  
**Stern, S** T3-1B  
**Sternjak, A** T1-5A  
**Stett, A** S20-5, S23-5  
**Stetter, O** T26-14A  
**Steuble, M** T2-4C  
**Stevens, R** T19-16C  
**Stevenson, PA** T4-5A, T23-8C  
**Stichel, CC** T11-1A, T11-2A, T20-5A  
**Stieb, SM** T14-10A  
**Stierle, J** T19-20A  
**Stöck, I** T12-8C  
**Stocker, B** T4-1B  
**Stonkute, A** S24-1  
**Störger, C** T6-7A  
**Stork, O** T5-3A  
**Stoykova, A** T1-7A  
**Stradomska, A** T8-2C  
**Straka, H** T17-8C  
**Straßburger, M** T11-11A  
**Strauch, M** T19-9A, T19-10A  
**Strausfeld, NJ** S11-6

- Strauss, DJ** T24-10B  
**Strauss, R** S11-5, T20-8A, T21-7A, T25-8A, T25-5C, T20-4A  
**Strauß, J** T17-7C  
**Strauss, U** T1-7C, T7-7C  
**Streijger, F** T3-5C  
**Streit, P** T2-4C  
**Strenzke, N** T17-9C, T18-5B, T18-13C  
**Stritih, N** T23-11B  
**Stritt, CC** T2-1B  
**Stroh, A** T1-19B  
**Stroh, O** T5-4C  
**Strong, AJ** S1-2, S1-5  
**Strotmann, J** T19-2C, T19-9C  
**Strutz, A** T19-20B  
**Stumpner, A** T23-5A  
**Stürzl, W** T14-3A, T14-7A, T14-9A  
**Stüttgen, MC** T20-4B  
**Suchanek, D** T16-9C  
**Suder, P** T4-2B  
**Sultan, F** T21-6B, T27-1C  
**Suman, S** T2-9A  
**Sumova, A** T23-10B  
**Sun, JJ** T3-2A  
**Supèr, H** S16-4  
**Sutton, G** T21-11B  
**Svoboda, H** S15-2  
**Svoboda, N** T11-19A  
**Svobodova, I** T6-2C  
**Swandulla, D** T6-5B  
**Sweedler, J** S17-1  
**Sweedler, JV** S17-2, T13-1B  
**Syed, E** T18-2B  
**Synowitz, M** T1-5A  
**Szabo, L** T3-2B  
**Szabó, A** T11-19B  
**Szyszka, P** T19-20A, T25-3A
- T**
- Tabassum, H** T8-12A  
**Taghert, PH** T14-9B  
**Takagaki, K** T23-12A  
**Tamm, ER** T15-7B  
**Tan, S** T1-4A  
**Tang, W** T27-7A  
**Tanimoto, H** S5-7  
**Tarabykin, V** S6-4, T1-15A, T1-13C, T2-8A, T2-10C  
**Tatarkova, Z** T12-2A  
**Taylor, K** T26-13A  
**Tchumatchenko, T** T6-10A, T26-1A  
**Tegenge, MA** T2-6A  
**Tegenthoff, M** S4-4  
**Telenczuk, B** T23-13A  
**Terlau, H** T5-2C  
**Terney, D** T21-10B  
**Tessier, B** T7-10A  
**Tessier-Lavigne, M** S24-6  
**Tetzlaff, C** T23-11A  
**Tetzlaff, W** S7-1, S7-4, T3-5C  
**Thal, D** T11-3A  
**Thal, DR** T11-18A  
**Thalau, P** T19-18A  
**Thanos, S** T15-8C  
**Theil, K** T5-2C  
**Theil, T** T1-10C  
**Theis, M** T8-4B, T9-7B, T9-8B, T11-18B, T11-13C  
**Theocharidis, U** T1-17B  
**Theofilas, P** T9-8B  
**Thiede, C** T7-1B  
**Thiele, J** T25-10C  
**Thier, P** T21-6B  
**Thiermann, H** T6-11B  
**Thoma, M** T19-12A  
**Thomas, S** T27-3C  
**Thomas, U** T15-6B  
**Thorens, B** T3-4C  
**Thoumine, O** T7-10A  
**Thurley, K** T5-1A  
**Tian, L** T7-12A  
**Tillein, J** T18-2B  
**Timme, M** S8-6, T8-6C, T23-13C  
**Tinnes, S** T10-4A  
**Tinter, J** T25-11B  
**Tischner, D** T9-9C  
**Tittgemeyer, M** T18-10B  
**Tlusty, T** T23-2B  
**Tokay, T** T8-7C  
**Töllner, K** T13-5B  
**tom Dieck, S** T15-2A, T15-11A, T15-1B, T15-12B  
**Tönges, L** T12-5B  
**Tooze, SA** S18-1  
**Torkkeli, P** T19-1A  
**Torkkeli, PH** T20-6A, T20-6C  
**Tossell, K** T23-10C  
**Touitou, I** T6-10A  
**Träger, U** T14-1A



**Traschütz, A** T16-5C  
**Traub, RD** S14-3  
**Traut, MH** T7-11B  
**Trembak, I** T8-2C  
**Trenado, C** T24-10B  
**Treue, S** T16-8C, T24-5B,  
 T24-4C, T24-6C, T24-10C  
**Treutlein, T** T7-12B  
**Triphan, T** S11-5, T21-7A,  
 T25-5C  
**Trippe, J** T4-5C  
**Trippe, R** T6-1A  
**Tropmann, B** T5-1C  
**Trotter, J** T9-10C  
**Tsai, HC** T1-19B  
**Tsarovina, K** T1-19A  
**Tschritter, O** T22-2C  
**Tsodyks, M** T7-15A  
**Tsytsyura, Y** T7-5A  
**Tucker, KL** T1-5C, T1-10C,  
 T1-12C, T2-11C  
**Turck, CW** S13-1  
**Turimella, S** T11-18B  
**Turimella, SL** T8-4B, T9-7B

## U

**Üceyler, N** T4-4B  
**Üçeyler, N** T12-7B  
**Uckermann, O** T12-1C  
**Ueberham, U** T1-6C, T11-  
 6B, T11-5C  
**Ueffing, M** T11-8C  
**Uhl, GR** T13-5C  
**Uhlmann, S** T9-5B  
**ul Haq, R** T7-7A, T8-5B,  
 T23-7A  
**Ulbrich, MH** T6-8A  
**Ulbricht, E** T9-5B, T15-7A  
**Uney, J** T11-5C  
**Unsicker, K** T1-18A  
**Urbach, Y** T13-2B  
**Urbach, YK** T11-9B, T11-  
 10B  
**Urban, S** T26-11A

## V

**Vahle-Hinz, C** T20-4B  
**Vakhitova, Y** T8-8C  
**Vallentin, D** T24-1B  
**van Aerde, K** T23-1C  
**van Bergeijk, J** T11-17C  
**van den Boom, L** T23-7A

**van der Putten, H** Sat1-2  
**van der Roest, M** T23-1C  
**van der Schors, R** T13-6C  
**Van Der Werf, J** S22-5  
**Van Dorp, S** T25-2A  
**Van Essen, DC** S15-5  
**van Hedel, H** S7-5  
**van Hemmen, JL** T17-3C,  
 T17-12C, T26-11A  
**van Hemmen, L** T17-2C  
**Van Leuven, F** S19-1  
**van Neerven, S** T12-6A  
**van Neerven, S** T12-2B  
**van Ooyen, A** T23-4B  
**Van Pelt, S** S22-5  
**van Rossum, D** T9-14B,  
 T12-2C  
**van Veen, T** T11-8C  
**van Wyk, M** S2-3  
**Vangoor, V** T11-18B, T11-  
 13C  
**Vangoor, VR** T8-4B, T9-7B  
**Vannoni, E** T13-2B  
**Varhalmi, E** T20-3A, T22-2A  
**Varoqueaux, F** T2-2C, T2-  
 7C, T7-19A, T7-10C, T7-11C,  
 T15-6A  
**Vasar, E** T11-20B  
**Vavra, V** T6-2C  
**Veenman, JA** T12-5A  
**Veh, RW** T12-5C  
**Velmans, T** T1-7C  
**Vergin, VM** T15-3B  
**Vezér, T** T20-5B, T24-7B  
**Vida, I** T5-3B, T23-15A  
**Vidal-Gadea, A** T20-4C  
**Vieler, M** T7-14B  
**Vierk, R** T21-9C  
**Vig, R** T12-3C  
**Viltono, L** T25-2A  
**Virtel, E** T26-4A  
**Vitt, H** T19-4B  
**Vitzthum, V** T27-9B  
**Vockeroth, J** T16-2C  
**Vogel, T** T1-2A, T1-2C  
**Vogel-Höpker, A** T3-1C  
**Voges, N** T26-3C  
**Vogt, MA** T13-5A  
**Voigt, A** T11-21A  
**Volgushev, M** T26-1A  
**Volkmann, J** T11-21B  
**Volkmandt, W** T7-3A, T7-4A  
**Völler, T** T19-3C

- Vollmar, P** T12-9B  
**Vollmayr, AN** T17-3C  
**von Ameln-Mayerhofer, A** T22-1C  
**von Bohlen und Halbach, O** T1-18A  
**von den Berg, S** T24-7C  
**von der Behrens, W** T18-9B  
**von der Emde, G** T15-8B, T17-11B, T17-4C, T17-5C  
**von Holst, A** S6-3, T1-17B, T1-8C, T9-2B  
**von Horsten, S** T11-9B, T11-10B  
**von Hörsten, S** T13-2B  
**von Kameke, A** T25-7B, T25-8B  
**von Maltzahn, J** T15-1C  
**von Uckermann, G** T21-4A  
**von Wedel, H** T18-11C  
**Voss, J** T19-18A  
**Voßen, C** T17-2C  
**Voutchkov, E** T25-6A
- W**
- Wachter, B** T9-12C  
**Wachtler, T** T8-11B, T15-6B, T16-9B, T16-3C  
**Wagner, H** T18-4A, T18-5A, T18-8A, T18-3B, T18-4B, S20-3, T27-4A  
**Wagner, HJ** T15-8B  
**Wagner, N** T7-4B  
**Wagner, O** T7-1B  
**Wagner, S** T9-1A  
**Wahab, A** T11-19C  
**Wahle, P** Sat2-7, T2-4B, T5-2B, T8-2B, T12-4C  
**Walger, M** T18-11C  
**Walkowiak, W** T21-2B, T21-5B  
**Walter, J** T1-15B, T11-18B  
**Walter, L** T2-1A  
**Walter, Z** T26-15B  
**Walther, F** T12-8B  
**Walz, B** T7-3C  
**Walz, C** T9-6A  
**Wang, LP** T1-19B  
**Wang, X** T20-8B, T21-9A  
**Wang, XD** S10-5  
**Wang, Y** T5-1A  
**Wanger, T** T16-2A, T23-12A, T27-2B  
**Wanischeck, M** T6-11A  
**Warzecha, AK** T14-4B, T14-1C, T16-10B  
**Wässle, H** S2-3  
**Watanabe, S** T25-12A  
**Wawra, M** T8-10C  
**Webber, J** S18-1  
**Weber, A** T1-11C, T1-19C  
**Weber, M** T6-10B, T17-1C  
**Weckström, M** T14-1C  
**Wefers, AK** T2-12A  
**Wegener, C** T22-1B  
**Wegener, D** T16-1B, T16-2B, T16-5C  
**Wegener, S** T25-13A  
**Wegner, M** Sat2-1  
**Wehner, R** T14-10A  
**Wehr, MC** T27-7A  
**Wehrle, R** T24-3C  
**Wei, W** T26-12A  
**Weidert, M** T19-13B  
**Weiergräber, M** T11-9C  
**Weiergraeber, M** T26-12C  
**Weigel, S** T15-15B, T27-2C  
**Weihberger, O** S20-2, T23-14B, T23-5C  
**Weiler, E** T3-4A  
**Weiler, R** S23-6, T2-1C, T15-4A, T15-1C, T15-4C, T15-5C, T15-9C  
**Weiller, D** T26-2A  
**Weinstein, JR** T12-2C  
**Weislogel, JM** T8-3C  
**Weiss, DG** T23-12C  
**Weiss, E** S14-4  
**Weiss, J** T19-13A  
**Weissmüller, K** T1-12C  
**Welch, A** Sat1-1  
**Wellershaus, K** T15-4C  
**Welpe, IM** T24-12C  
**Wend, P** T1-5A  
**Wenz, M** T6-7A  
**Wenzel, G** T17-6C  
**Wenzel, GI** T17-14B  
**Wenzel, J** T5-2C  
**Werckenthin, A** T23-14A  
**Werner, HB** T2-9C  
**Werthschützky, R** T27-3C  
**Wertz, A** T14-1B, T14-7B  
**Wessel, R** T26-10C  
**Wessels, J** T9-14B  
**Westendorff, S** T21-5C, T24-2A



- Westhoff, G** T24-4A  
**Westmark, S** T20-1C, T21-4A  
**Weth, F** T2-10B, T10-2B  
**Wetzel, C** T9-10B, T20-6B  
**Wetzel, CH** T7-15B  
**Wetzel, W** T13-4A, T27-6A, T25-2C, T25-12C  
**Weyhersmüller, A** T7-4B  
**Whittington, M** S14-2  
**Whittington, MA** S14-3  
**Wicher, D** T19-19B  
**Wiedemann, P** T9-2A, T9-10A  
**Wiederhold, K** T11-3A  
**Wiederhold, KH** T11-18A  
**Wiehle, M** T1-13A  
**Wienands, J** T9-9C  
**Wiendl, H** T12-3A, T12-7A, T12-9A  
**Wiener, J** T25-10C  
**Wierenga, CJ** T2-2A, T8-1A  
**Wiese, S** T1-3A, T9-9A  
**Wiesner, S** T2-3A  
**Wilczynski, GM** T12-1C  
**Wilhelm, F** T9-3B  
**Wilke, R** S23-5  
**Wilkens, LA** T17-14C  
**Willaredt, MA** T1-10C  
**Wille, M** T11-15B  
**Willecke, K** T9-8B, T15-4A, T15-1C, T15-4C  
**Williams, L** S11-4  
**Williams, SR** T7-5C  
**Wilming, N** T16-11C  
**Wiltshko, W** T19-18A  
**Winkler, C** T11-8A  
**Winkler, U** T9-3B, T9-4B  
**Winter, S** T13-7B  
**Winter, Y** T1-7B  
**Wirmer, A** T22-1A  
**Wirth, MJ** T18-8A, T18-4B  
**Wirths, O** S19-5, S19-6, T11-6A, T11-16A, T11-22A  
**Wischmeyer, E** T6-10B, T6-8C  
**Wisden, W** T25-2A  
**Witke, W** T2-3A  
**Witte, OW** T1-15B, T9-4C, T10-1A, T12-8B, T12-10C, T15-10B, T16-4A, T16-3B  
**Wittekindt, A** T17-8A, T17-4B  
**Wittenberg, M** T16-9B, T16-3C  
**Wittenmayer, N** T2-2C, T7-16C  
**Witthaus, H** S4-4  
**Witting, A** T12-1B  
**Wittlinger, M** T25-1C  
**Wittmann, C** Sat1-2  
**Wittum, G** T26-15C  
**Woehler, A** T5-3C  
**Woergoetter, F** T25-6C  
**Wohl, SG** T15-10B  
**Wöhr, M** T24-10A, T24-3B  
**Woitzik, J** S1-5  
**Wojcik, SM** T7-1A  
**Wojtowicz, A** T23-7A  
**Wolf, F** T6-10A, T17-9C, T26-1A, T26-9A, T26-10A, T26-12A, T26-1B, T26-5C  
**Wolf, H** T17-5B, T19-7A, T21-3B, T25-1C  
**Wolf, M** S10-5  
**Wolf, R** S5-3  
**Wolfart, J** T12-5C, T12-6C  
**Wolfenberg, H** T4-1B  
**Wolff, B** T12-3B  
**Wölfl, S** T1-10C  
**Wolfrum, U** T11-11C, T21-6C  
**Wolpert, D** S22-6  
**Wolters, D** T6-1A  
**Wood, G** T22-3B  
**Wood, J** T6-4B  
**Worek, F** T6-11B  
**Wörgötter, F** T23-11A, T26-10C  
**Wosnitza, A** T21-4A  
**Wozny, C** T7-5C  
**Wree, A** T1-14B, T3-1A, T11-14B  
**Wulff, P** T25-2A  
**Wüllner, U** T11-14A, T11-13B, T11-16B, T11-2C  
**Wunderlich, P** T11-18B  
**Wurm, A** T9-2A, T9-10A

## X

- Xie, F** S17-2  
**Xu, C** T1-13A  
**Xu-Friedman, M** T18-5B  
**Xu-Friedman, MA** T18-13C

## Y

- Yaari, Y T6-11C  
 Yamaguchi, H T11-3A, T11-18A  
 Yamaguchi, S S5-3  
 Yan, X T21-1B  
 Yang, DS S18-3  
 Yeritsyan, NB T8-9A  
 Yger, P T26-4C  
 Yilmaz, Ö S13-1  
 Yonemasu, T T2-10C  
 Yoshida, K T23-1A  
 Youdim, MB S9-6  
 Young, CC T12-5C, T12-6C

## Z

- Zaepf, B T20-4A  
 Zagrebelsky, M T2-6B, T2-7B, T2-3C, T8-9B, T8-4C  
 Zapotocky, M T20-9C  
 Zecevic, D T7-6A  
 Zeck, G T15-2C, T15-11C, T27-9B  
 Zeghib, A T23-10A  
 Zeghib, H T23-3B  
 Zehl, L T21-5A  
 Zehle, S S4-3  
 Zeitler, M T26-8A  
 Zeitler, R T15-11C  
 Zelick, RD T17-2A  
 Zemkova, H T6-2C  
 Zenclussen, AC T12-4C  
 Zentner, J T10-3C, T12-6C  
 Zeug, A T27-8C  
 Zhang, F T1-19B  
 Zhang, K T17-14B, T17-6C  
 Zhang, M T13-2A  
 Zhang, W T2-7C, T8-2C, T13-2A  
 Zhang, YQ T19-9C  
 Zhao, Y T11-14C, T12-8C  
 Zhao, S T1-5B, T1-9C, T23-15A, T1-3B  
 Zheng, F T11-21B  
 Zhivkov, Z T17-11C  
 Zhou, M S10-2  
 Zhu, X T12-8A  
 Ziegler, WH T9-4B  
 Ziehm, U T17-10C, T17-11C  
 Zimmer, A S13-1, T6-1B, T6-5B  
 Zimmermann, H T1-18B, T1-14C, T7-3A, T7-4A  
 Zimmermann, U T17-9A, T17-10A, T17-13C  
 Zinke, W T25-14C  
 Zivraj, KH T2-5C  
 Zoidl, G T7-6C  
 Zolles, G T6-6B  
 Zorovich, M T18-13B  
 Zrenner, E S23-5  
 Zschenderlein, C T8-2A  
 Zschorlich, V T8-7C  
 Zschüntzsch, J T9-14C, T11-18C  
 Zube, C T19-14A, T19-18B  
 Zuccotti, A T6-10C, T17-13A, T18-13A  
 Zuender, R T12-10C  
 Zufall, F T19-13A  
 Zuo, J T17-9A  
 Zuo, Y T7-12A  
 Zürner, M T7-8A  
 Zuschratter, W T8-8C  
 Zwerina, J T27-5A





## Keyword Index

The numbers behind the keywords refer to the numbers of the oral or poster presentations, but not to page numbers in this program booklet.

- AGGREGATION** T11-16B, T11-16C, T11-21A  
**ALZHEIMER'S DISEASE** S15-6, S18-3, S19-1, S19-3, S19-4, S19-5, S3-6, S9-2, S9-5, T11-10A, T11-11B, T11-15C, T11-16A, T11-22A, T11-2B, T11-3A, T11-5C, T11-6A, T11-6B  
**AMYGDALA**, S21-1, S21-2, S21-3, S21-6, Sat1-2, T23-12B, T24-3A, T24-7C, T24-8B, T5-3A, T6-10B, T7-14B, T8-2A  
**AMYLOID** S19-3, S9-1, T11-16A, T11-18A  
**AMYLOID PRECURSOR PROTEIN** T1-6C  
**ANALGESIA** T20-7A  
**ANDROGEN** T8-7A  
**ANESTHESIA** T18-10A, T20-4B, T26-15B  
**ANIMAL MODEL** S10-4, S13-4, S13-5, S18-3, S4-3, S4-5, Sat1-1, Sat1-3, T10-3B, T11-10B, T11-14B, T11-18A, T11-19B, T11-3A, T11-9B, T1-20A, T12-1A, T12-6B, T13-3B, T13-5A, T13-6A, T13-7B, T17-3B, T2-12B, T23-6A, T24-1A, T6-11B, T9-5B, T9-8C  
**ANOXIA** T11-12A, T11-3B, T9-12A  
**ANTIBODY** T1-1A  
**ANTICONVULSANT** T11-19C  
**ANTIDEPRESSANT** T13-2C, T6-4A, T6-8C  
**ANTIPSYCHOTIC** T13-6A, T13-7C  
**ANTISENSE** T11-5A  
**ANXIETY** T13-3C, T22-3B  
**APOPTOSIS** T11-19A, T1-11B, T1-13B, T12-1C, T12-2A, T3-2A, T3-4A, T3-5A, T9-9A  
**AROUSAL** T14-4C  
**ASSOCIATIVE LEARNING** S21-6, T19-2B, T19-7C, T25-13C, T25-16C, T26-5B, T8-11A  
**ASTROCYTE** S12-1, S15-1, T1-18C, T12-10B, T27-5B, T9-11B, T9-12C, T9-13B, T9-13C, T9-1C, T9-2C, T9-3B, T9-4A, T9-6A  
**ASTROGLIA** S12-4, T11-2A, T9-10B, T9-10C, T9-3A, T9-4B, T9-7B  
**ATAXIA** T11-10B, T11-10C, T11-13B, T11-14A, T11-2C  
**ATP** T6-2C, T9-8A  
**ATTENTION** S4-4, S5-3, T16-11C, T16-1B, T16-2C, T16-7C, T16-8C, T18-9B, T24-10B, T24-10C, T24-2C, T24-4C, T24-5B, T24-6A, T24-6C, T24-9A, T26-13A, T4-3C  
**AUDITORY** S20-3, S5-4, T17-10B, T17-10C, T17-11A, T17-1B, T17-1C, T17-2A, T17-2B, T17-2C, T17-4B, T17-6B, T17-7A, T17-7B, T18-10B, T18-11B, T18-11C, T18-13B, T18-13C, T18-14A, T18-14B, T18-14C, T18-1B, T18-2A, T18-2C, T18-3A, T18-3C, T18-4A, T18-4B, T18-5A, T18-5B, T18-5C, T18-7B, T18-7C, T18-8B, T18-8C, T18-9A, T18-9C, T21-5B, T24-12B, T24-5A, T25-5A, T25-7A, T26-11C, T26-9C, T27-6A, T2-8C, T6-10C, T7-14C  
**AUDITORY CORTEX** S21-4, T18-10A, T18-13A, T18-1A, T18-2B, T18-3C, T18-6A, T18-6C, T18-7A, T18-9B, T25-11B  
**AUTISM** T10-3A  
**AUTOIMMUNITY** T11-16A, T12-9B  
**AUTONOMIC** Sat2-2, T1-1B  
**AVERSION** T25-12C, T25-16C  
**AVIAN** T16-11B, T16-5B, T18-8A, T19-18A, T25-13C, T25-9C  
**AVOIDANCE** T13-4A, T25-12B, T25-12C, T25-16C, T25-2C, T25-9C  
**AXON** S15-3, S19-5, S24-2, S24-6, T12-9B, T15-2C, T16-2A, T2-10A, T2-10C, T2-4B, T26-10A, T2-6C, T3-1B, T9-9A  
**AXON GUIDANCE** S24-5, T1-13C, T11-7A, T19-8C, T2-10B, T2-11A, T2-11C, T21-7B, T9-8A  
**AXONAL TRANSPORT** S19-2, T12-3C, T2-4C, T7-1B  
**AXOTOMY** S9-4, T3-4C

## B

- B-AMYLOID** T11-21C  
**BALANCE** T26-1B  
**BARREL** T20-5C, T20-8C  
**BASAL GANGLIA** T11-1C, T11-21B, T11-7B, T23-5B  
**BDNF** T13-3A, T17-12A, T2-6B



**BEHAVIOR** S11-2, S11-5, S5-8, Sat1-3, T10-3B, T11-10B, T11-17A, T11-19B, T11-1A, T13-1C, T13-2B, T13-3C, T13-4B, T13-4C, T13-5A, T13-5B, T13-7B, T14-2C, T14-3A, T14-5B, T14-5C, T14-6B, T14-7A, T14-9A, T15-4B, T17-11B, T17-5A, T17-6B, T18-12A, T18-4A, T18-4C, T18-6B, T18-9B, T19-11C, T19-13C, T19-23C, T19-3A, T19-3B, T20-2A, T21-10C, T2-12B, T21-4A, T21-5A, T21-7A, T24-11A, T24-4A, T24-4B, T24-5A, T24-6B, T24-7B, T24-8A, T25-13B, T25-15C, T25-1C, T25-5C, T4-5A, T6-5B

**BETA AMYLOID** T11-3A, T11-6A

**BINDING** T9-7C

**BIOGENIC AMINE** T14-4C, T21-9C

**BIRD** T15-5B, T16-12C, T16-7B, T18-4A, T18-5A, T19-15B, T27-4A

**BLOOD** T12-4C

**BLOOD-BRAIN BARRIER** T3-3A

**BRAIN** S11-2, S11-3, S11-5, S11-6, T10-4C, T14-5A, T18-13B, T19-17B, T19-4B, T20-4A, T22-4A, T23-1A, T26-15B, T26-5A

**BRAIN IMAGING** T10-1A, T1-20A, T16-8B, T20-1B

**BRAIN INJURY** S1-4, T12-6B

**BRAIN-MACHINE INTER-FACE** S22-2, T21-11C

**BRAIN SLICE** T11-4A

**BRAIN STEM** T26-15A, T1-13A, T17-14A, T18-3A, T18-8A, T2-8C, T9-13B

**BURST** T23-12C, T23-7C

## C

**CA1** T7-13B, T8-8A

**CALCIUM** S15-2, T11-8C, T17-10B, T17-9C, T18-2A, T2-9A, T4-3A, T6-3A, T6-9A, T6-9B, T9-7A

**CALCIUM CHANNEL** T11-9C, T15-2A, T17-13A, T18-7B, T6-11A, T8-10A

**CALCIUM CURRENT** T6-11C

**CALCIUM IMAGING** S24-5, T11-12C, T1-2B, T14-3B, T16-5A, T16-8A, T16-9A, T19-18B, T19-21A, T19-2A, T19-6A, T20-2C, T20-6A, T2-11B, T23-2C, T25-8B, T2-5B, T27-5B, T6-6C, T7-12A, T7-12C, T8-1C, T8-3C, T8-7B, T9-14A, T9-5A

**CALMODULIN** T7-1C

**CAMP** T27-4B, T27-8C

**CANNABINOID** T13-2A, T13-6A, T13-7C, T19-22A

**CAPSAICIN** T20-6B, T8-2A

**CARBACHOL** T23-1B

**CASPASE-3** T3-2A

**CAT** T26-9A

**CATECHOLAMINE** T3-1A

**CELL CULTURE** T11-15C, T1-14B, T1-16A, T12-10B, T12-4B, T17-12A, T21-4C, T23-11A, T23-9B, T2-8B, T3-3B, T9-12B, T9-1A

**CELL CYCLE** S9-5

**CELL DEATH MECHANISMS** T11-22C

**CELL DEATH** T11-17B, T11-8C

**CENTRAL PATTERN GENERATOR** S7-5, T21-8A, T21-8B, T23-8C

**CEREBELLUM** S9-4, T2-12A, T21-6B, T25-2A, T27-1C, T9-13C

**CEREBRAL BLOOD FLOW** T1-8A

**CEREBRAL CORTEX** Sat2-7, Sat2-8, T1-13C, T1-2A, T16-5A, T1-6A

**CEREBRAL ISCHEMIA** T12-8C

**C-FOS** T21-2B, T24-7A, T25-10B

**CHANNEL** T14-8B, T6-3C, T7-3A, T9-10A

**CHEMOKINE** S3-2, T12-2B

**CHEMORECEPTOR** T19-7A

**CHLORIDE** T16-1C, T18-4B, T6-5C, T6-7A, T6-8B

**CHROMAFFIN** T7-1A

**CINGULATE** S22-4

**CIRCADIAN** T19-11A, T23-13B, T23-15C, T23-9A

**CIRCADIAN RHYTHM** T22-4B, T22-5B, T23-10B, T23-14A, T23-6B, T23-9B, T25-9B

**CLASSICAL CONDITIONING** S21-5, T13-4A

**CNS** S7-3, T12-9C

**COCAINE** T13-1B, T13-3B

**COCHLEA** T17-10A, T17-12A, T17-13A, T17-13C, T17-14B, T17-3B, T17-4B, T17-6C, T17-8A, T17-9A, T18-13A, T18-8B, T6-1C

**CODING** S2-4, S2-5, S2-6, T14-4C, T16-3C, T17-11A, T17-2C, T17-4C, T17-7A, T17-9C, T19-13B, T19-14C, T19-24B, T26-12B, T26-14B, T26-16A, T26-1A, T26-4B, T26-8C

**COGNITION** S10-5, S11-1, S4-2, T13-2B, T20-9A, T24-11B, T24-12C, T24-13B, T24-1C, T24-6A, T24-8C, T25-10C

**COGNITIVE** T24-12C  
**COHERENCE** T16-3C, T20-8B, T21-9A  
**COLLICULUS** T18-2C  
**COMPUTER** T21-1A, T26-12B, T26-8C, T27-3B, T27-5C, T27-6B  
**CONDITIONING** T25-7A  
**CONFOCAL MICROSCOPY** T19-6A, T7-6C, T9-4B  
**CONNECTION** S15-5, T16-6C, T21-6B, T23-2B, T23-7C, T26-1C, T26-4A, T27-4C, T2-8A  
**CONSCIOUSNESS** S16-4, S8-3, T24-3C  
**CONTRAST** T15-3B  
**CONTROL** T14-8C, T14-9C, T25-11C  
**CORTEX** S15-5, S16-1, S20-2, S21-5, S6-4, S6-5, S6-6, S8-4, S8-5, T10-2C, T10-4B, T1-10C, T1-1A, T1-7A, T18-12A, T20-1A, T20-2C, T20-3C, T20-8C, T2-10C, T23-10A, T23-2C, T25-6C, T2-5B, T26-4B, T26-6B, T26-9B, T26-15A, T27-3C, T2-8A  
**CORTICAL PLASTICITY** T11-13A, T26-5B, T27-9C, T7-18A  
**CORTISOL** T22-3B  
**CPG** T23-8A  
**CREB** S21-1, T25-8C, T8-8C  
**CULTURE** T15-8C, T23-14B  
**CURRENT** T23-6A  
**CYCLIC GMP** S24-1, T11-8C, T2-4A, T2-5A  
**CYTOARCHITECTURE** T24-8B  
**CYTOKINE** S3-5, T1-16B, T12-6A, T12-7B, T1-2C, T13-3C, T13-7A, T1-5A, T3-4B, T4-4B  
**CYTOSKELETON** S15-1, S24-2, Saf2-4, T12-5B, T1-3B, T1-5B, T2-10A, T2-3A, T2-5C, T2-7B, T8-3A

## D

**DEAFFERENTATION** T14-8A  
**DEEP BRAIN STIMULATION** T11-21B  
**DEFENSE** T24-4A, T9-6C  
**DEGENERATION** S18-4, S23-6, T11-2C, T21-3A, T26-7A, T9-14C  
**DEMYELINATION** T12-7C, T16-12B  
**DENDRITE** S19-4, S2-1, S24-2, S8-6, Saf2-5, T13-1A, T14-6A, T16-8A, T20-1A, T20-2C, T2-11B, T2-1B, T2-3C, T2-6B, T27-1C, T2-7B, T6-7B, T7-13B, T7-6A, T8-4C  
**DENTATE GYRUS** T1-12A, T1-16B, T1-19C, T12-5C, T12-6C, T1-9C, T2-1B, T7-17A, T8-3B

**DEOXYGLUCOSE** T27-1B, T27-2B  
**DEPOLARIZATION** S1-4  
**DEPRESSION** T12-7B, T13-3A, T13-5A, T13-7A, T22-2B  
**DEVELOPMENT** S11-4, S14-6, S15-5, S24-4, S24-5, S24-6, S6-3, S6-4, S6-6, Saf2-2, Saf2-8, T10-2C, T10-4C, T1-10B, T1-12C, T1-13A, T1-14A, T1-19A, T1-1B, T1-2A, T13-4C, T1-3B, T15-14B, T16-12A, T1-7A, T1-7C, T18-2A, T18-8C, T18-9A, T19-8C, T1-9C, T2-11B, T21-1B, T2-11C, T2-1C, T22-2B, T22-5A, T23-10C, T23-11A, T2-3A, T24-4B, T25-12B, T25-6A, T26-5C, T2-6B, T2-6C, T2-8A, T2-9B, T3-1C, T3-2A, T3-3A, T3-4A, T4-4A, T4-4C, T5-2B, T6-1C, T6-6A, T7-14C, T7-9A, T9-14B  
**DIAGNOSIS OF DEMENTIA** P5  
**DIAZEPAM** T6-9C  
**DIET** T25-3B  
**DIFFERENTIATION** S6-2, Saf2-2, T1-14B, T1-16A, T1-19B, T1-2C, T1-3A, T1-4A, T3-1C, T4-2A, T9-10C  
**DIFFUSION** S12-2  
**DIRECTIONAL** T15-7C  
**DISCRIMINATION** T17-2A, T17-4A, T24-1B, T25-5A, T25-7A  
**DNA** T27-7A  
**DOPAMINE** S4-2, S4-4, S4-5, T11-20A, T11-7B, T13-7B, T21-10C, T23-10C, T23-7A, T24-12B, T24-6B, T25-10A, T25-2C, T8-12A, T9-12C, T9-3B  
**DOPAMINE RECEPTOR** T5-1C  
**DOPAMINE TRANSPORTER** T11-9B, T13-5C  
**DOPAMINERGIC** S4-3, T1-14A, T4-4C  
**DORSAL RAPHE** T1-13A  
**DORSAL ROOT**  
**GANGLION** S24-1, T20-5A, T6-1B  
**DRG** T21-7B  
**DROSOPHILA** S11-5, S5-2, S5-3, S5-4, S5-5, S5-6, T11-17B, T14-2B, T14-8B, T17-12B, T17-1B, T17-8B, T19-11C, T19-12A, T19-13C, T19-17A, T19-17C, T19-1A, T19-1C, T19-20B, T19-22B, T19-23A, T19-23B, T19-3C, T19-9A, T20-4A, T20-8A, T20-9C, T21-7A, T22-1B, T25-13A, T25-1B, T25-4C, T25-8A, T26-15C, T2-9B, T4-3A, T5-4A, T6-11A, T7-15C, T7-16A, T7-2C, T7-4B, T7-8C



**DRUG ABUSE** T13-1B  
**DRUG** S13-4, S19-3, T27-8A  
**DYSKINESIA** T11-4C, T11-8A

## E

**EEG** S16-5, Sat1-1, T16-6A, T16-7C, T21-9A, T22-2C, T23-13A, T23-4C, T26-12C, T26-15B, T27-8A  
**ELECTRICAL STIMULATION** S23-5, T11-13A, T16-13A, T17-6A, T18-12A, T18-2B, T21-6B, T23-14C, T23-5C, T4-6B, T8-11A  
**ELECTRON MICROSCOPY** S21-2, T27-3A, T4-6A  
**ELECTROPHYSIOLOGY** S20-4, T11-3C, T14-1A, T14-2A, T14-2B, T15-10A, T15-11C, T15-13B, T15-15B, T15-1A, T15-2B, T15-4A, T16-9C, T17-11C, T17-12C, T17-5B, T17-5C, T18-12B, T18-1A, T19-13A, T19-2B, T20-5B, T21-2C, T21-4A, T23-3B, T23-9B, T23-9C, T24-11B, T24-2B, T26-6A, T27-4A, T27-5C, T27-6B, T6-4C, T6-5B, T7-15B, T8-5C  
**EMBRYO** T1-8B, T5-2A  
**EMG** T21-5A, T21-9A  
**EMOTION** T13-1C, T24-3A, T24-7C, T24-9C  
**ENDOCRINE** S10-4, S17-1, T19-6C  
**ENDOCYTOSIS** T2-4C, T7-5A, T7-9C  
**ENDOPLASMIC RETICULUM** T10-2A, T27-5B, T6-9A, T7-4C, T9-1B  
**ENDOTHELIAL** T15-7B  
**ENERGY METABOLISM** T15-11B  
**ENKEPHALIN** S17-4  
**ENTERIC** T2-5A  
**ENTORHINAL** T23-3C, T7-6B  
**ENVIRONMENTAL** T1-7B, T24-7B, T25-5B  
**EPILEPSY** S13-3, T10-2C, T10-4A, T11-13C, T11-18B, T1-11A, T1-12A, T11-3C, T11-4C, T11-5B, T11-9C, T12-5C, T12-6C, T13-5B, T23-2A, T23-3A, T23-3C, T23-4A, T23-5B, T23-6A, T6-11C, T6-3B, T6-5A, T7-5B  
**EPSC** T18-11A  
**EPSP** T18-11A  
**ERK** T8-8C  
**ERP** T18-10C  
**ESTROGEN** T25-2B  
**ESTROUS CYCLE** T18-6A

**EVOKED POTENTIALS** S7-5, T11-19B, T16-12B, T18-10B, T18-11C, T18-14B  
**EVOLUTION** S11-6, S17-3, S17-5, T17-7C, T19-20C, T23-13B, T4-1A, T7-10C  
**EXCITABILITY** T18-11A, T20-2B, T20-7C, T23-13C, T5-1A, T6-10A, T6-8B  
**EXERCISE** T11-22A, T14-10B, T20-9A  
**EXOCYTOSIS** T17-3B, T7-10B, T7-1A, T7-2B, T7-7B, T8-10A  
**EXPLORATION** T24-8A  
**EXTINCTION** T13-4A, T24-8B  
**EXTRACELLULAR** S20-4, T17-14A, T17-6A, T18-2C, T27-3C, T9-2C  
**EXTRACELLULAR MATRIX** S12-1, S12-2, S12-3, S12-4, S12-5, S12-6, S6-3, T1-11C, T11-21C, T1-17B, T1-3A, T1-8C, T19-8C, T7-11B, T7-15B, T8-1B, T9-10B, T9-1C, T9-2B, T9-7C, T9-9B  
**EXTRASTRIATE** T16-5C  
**EXTRASTRIATE CORTEX** T24-4C, T24-6C  
**EYE** T15-7A, T4-3B  
**EYE MOVEMENT** S2-6, T16-10B, T16-11C, T16-2C, T16-4B, T16-4C, T16-6B, T16-7A

## F

**FACILITATION** T7-3C  
**FATTY ACID** T11-12C, T11-15B  
**FEAR** S21-2, S21-6, T11-5B  
**FEAR CONDITIONING** S21-4, Sat1-2, T25-11B, T25-1A  
**FEEDBACK** T14-9C  
**FLUORESCENCE** T21-4B, T27-8C, T6-8A  
**FMRI** T13-2C, T18-1B, T24-9A, T25-14B, T25-14C, T27-5A  
**FOOD INTAKE** T19-16C  
**FORCE** S15-4, T17-14B, T21-11B  
**FOREBRAIN** T1-10A, T1-12C, T18-9C, T21-2B  
**FREQUENCY** T17-4B, T23-11B  
**FRONTAL CORTEX** T13-3B, T4-5C  
**FUNCTIONAL MRI** S4-4, T16-13A, T20-7A, T24-1C  
**FURA-2** T19-20A

## G

**G PROTEIN** T18-8C, T19-12A, T19-19C, T4-2B, T5-4A

**GABA** T19-15C, T19-18C, T4-4A, T4-5C, T6-5C, T6-6C, T7-18A, T7-9A, T9-7A  
**GABA RECEPTOR** T23-12C, T25-2A, T2-7C, T5-1A, T5-3B, T5-4B, T6-3B, T6-7C, T6-9C  
**GABAERGIC** S12-5, T15-4A, T18-4B, T2-2A, T23-1B, T7-11C, T8-1A  
**GAD** T4-5C, T7-14B  
**GAMMA** S14-2, S16-5, T16-10C, T16-12C, T25-9A  
**GAP JUNCTION** S2-2, S23-6, T1-11B, T1-13B, T15-12C, T15-1C, T15-4C, T15-5C, T7-6C, T9-4C, T9-8B  
**GASTROINTESTINAL** T19-6C  
**GATING** T23-5A, T6-1B, T6-2A, T6-6B  
**GENE** T23-14A  
**GENE EXPRESSION** S5-1, T12-10C, T12-1A, T12-1C, T15-3C, T1-8A, T19-19B, T2-11A, T2-1A, T22-2B, T22-3C, T22-4A, T23-10B, T23-1A  
**GENE REGULATION** T11-14A, T19-9C, T21-1B, T25-3B  
**GENE THERAPY** T11-5C, T11-6B  
**GENE TRANSFER** S23-1  
**GENETICS** T14-5C, T17-12B, T27-7A  
**GFP** T11-8B, T2-2B  
**GLIA** S3-4, S6-1, T11-11C, T1-15A, T1-17A, T12-2B, T12-6A, T15-12A, T9-10A, T9-11A, T9-11C, T9-13A, T9-14A, T9-1A, T9-2A, T9-2B, T9-7A, T9-8B, T9-9A  
**GLOMERULUS** T19-10A, T19-14A, T19-14B, T19-18B, T19-3A  
**GLUCOCORTICOID** S10-3  
**GLUTAMATE** T1-2B, T8-12B, T9-11B, T9-13B, T9-3A, T9-4A  
**GLUTAMATE RECEPTOR** T15-8A, T18-3A, T6-1A, T6-6B, T7-10A, T8-11A  
**GLUTAMATE RELEASE** T7-7C  
**GLYCINE** T1-6A, T4-4A, T5-4B, T6-1C  
**GOLGI** S5-1, T2-9A  
**GPCR** S17-5, T19-4C, T5-2C, T5-3C, T7-7C  
**G-PROTEIN** T19-17A  
**GRAFT** T11-8A  
**GRANULE CELL** T1-4C, T2-9C, T5-4C  
**GRASSHOPPER** S11-4  
**GREEN FLUORESCENT PROTEIN** T2-11C  
**GROWTH CONE** S15-3, S15-4, T2-3A, T2-4B, T2-4C, T2-9B  
**GROWTH FACTOR** S24-4

## H

**HABITUATION** T14-7C  
**HAIR CELL** T17-10A, T17-2A, T17-9C, T18-1C, T18-5B, T6-10C, T6-6A, T7-2B  
**HEARING** T17-13B, T17-7C, T17-8A, T17-8B, T18-12B, T18-14B, T18-1C, T18-3B, T24-7C, T6-6A  
**HEAT** T25-14B  
**HEMISPHERE** T24-8C  
**HIPPOCAMPAL NEURONS** T1-15B, T2-1B, T23-15A, T2-8B, T3-3B, T6-7B, T7-5B, T7-8A, T8-1B  
**HIPPOCAMPUS** S13-2, S14-1, S14-4, T10-4A, T1-10C, T11-19C, T11-3C, T1-18A, T11-9C, T13-2A, T1-4B, T1-6C, T1-9B, T23-11C, T23-8B, T2-3B, T25-12A, T25-16B, T25-7B, T25-8B, T26-17A, T3-5A, T4-2C, T7-7A, T7-8B, T8-10C, T8-12A, T8-2C, T8-4B, T8-5A, T8-5B, T8-5C, T8-6A, T8-7C, T8-8B, T8-9A, T8-9B, T8-9C, T9-3A, T9-5A, T9-6A, T9-9B  
**HISTAMINE** T14-9B, T4-3B  
**HORMONE** T12-2B, T22-1A  
**HPLC** T7-12B  
**HUMAN** S1-5, T1-12B, T13-6C, T15-10C, T15-6B, T16-1A, T16-1B, T16-7A, T16-8B  
**HUNTINGTIN** T11-12B  
**HUNTINGTON'S DISEASE** T11-1C, T11-4B, T11-8B, T11-9B, T12-1B, T13-2B  
**HYPERACTIVITY** T7-8A  
**HYPERALGESIA** T20-7A  
**HYPOCRETIN** T5-2C  
**HYPOTHALAMUS** T27-8B, T6-2C  
**HYPOXIA** S13-5, T12-4A, T1-6B, T8-5A

## I

**IMAGING** S1-1, S8-2, T11-15A, T11-9A, T14-6A, T16-12A, T19-15A, T19-22C, T19-23A, T2-1C, T2-2A, T24-3C, T25-10B, T25-14B, T27-1A, T27-1B, T27-2A, T27-2B, T27-4B, T7-6A, T8-12B, T8-1A, T9-13A, T9-14C, T9-4B  
**IMMEDIATE EARLY GENE** T13-5C, T18-13A, T25-12A  
**IMMUNITY** S3-6, T11-20C, T12-4C, T12-7A, T2-1A, T9-5C, T9-6C  
**IMMUNOCYTOCHEMISTRY** T15-13B, T18-6A, T19-17C, T22-4B, T22-5B, T23-6B

**IMMUNOFLUORESCENCE**

T11-2B, T4-6A

**IMMUNOHISTOCHEMISTRY**

T1-1C, T14-10A, T15-15B, T19-12B, T19-21B, T3-1A, T7-2C, T9-8B

**IMMUNOSUPPRESSION** T12-3B**IMPLANT** T15-6B, T17-14B, T17-6C**IN SITU HYBRIDIZATION** T1-8A**IN VITRO** S14-3, T23-4B, T7-1B**IN VIVO** T16-10A, T20-7B, T23-4A, T25-10B, T2-5B, T27-2A, T27-4B, T27-7B, T9-11C**INFLAMMATION** S3-1; S3-2, S3-5, T12-10C, T12-2C, T12-3A, T12-3B, T12-6A, T12-6B, T12-8A, T12-8B, T12-9A, T12-9C, T4-4B**INFORMATION THEORY** T17-12C, T26-9C**INHIBITION** T20-1B, T20-3C, T21-2C, T23-2B, T25-6A, T26-6B, T5-1A, T7-11C, T7-19A**INJURY** T1-18C**INSECT** S11-1, S11-2, S11-3, S17-3, S5-7, T14-1B, T14-5B, T14-8C, T17-10C, T17-11A, T17-13B, T17-1C, T17-3C, T17-5B, T17-7C, T18-13B, T1-8B, T19-14B, T19-14C, T19-15A, T19-15C, T19-16A, T19-17B, T19-18C, T19-19A, T19-1B, T19-20A, T19-21A, T19-21B, T19-21C, T19-24B, T19-2A, T19-3A, T19-3B, T19-4A, T19-4B, T19-4C, T19-5C, T19-8B, T19-9B, T20-2A, T21-10C, T21-3C, T21-6A, T21-9C, T22-1A, T22-4C, T23-14A, T23-13B, T23-15C, T23-4B, T23-8A, T23-9A, T2-4A, T25-15C, T25-3A, T25-4A, T25-4B, T27-3A, T27-6C, T4-1A, T4-1B, T4-5A, T5-1C, T9-1A**INSULIN** T22-2C, T4-1C**INTERLEUKIN** T12-8C**INTERNALIZATION** T19-2C**INTERNEURON** S14-1, S14-2, S14-6, S21-3, T15-9C, T17-2B, T21-8A, T23-8B, T25-2A, T5-3B, T7-5C, T8-10C, T8-6A**INTRACELLULAR** T21-9B**INTRACELLULAR CALCIUM** T9-6A**INTRACELLULAR RECORDING** T14-3C, T14-4A, T23-5A**INVERTEBRATE** S11-6, S17-1, T14-1A, T14-4A, T14-5A, T14-7C, T17-10B, T17-2B, T17-7A, T20-3A,

T20-4C, T20-6C, T21-4B, T21-4C, T22-2A, T22-3A, T23-8C, T25-3C, T25-8C, T26-3A, T5-2A

**ION CHANNEL** S2-3, T18-7C, T19-5B, T6-1A, T6-7C, T6-8C**ISCHEMIA** S1-3, T12-2A**J****JNK** T11-14C**K****KINASE** T7-16A**KINDLING** T13-5B**KINEMATICS** S22-5, T14-6C**KINETIC** T7-16B**KNOCKOUT MICE** T10-3A, T7-1A**L****LANGUAGE** T18-10C, T18-1B**LATERALIZATION** T16-11B, T18-10C, T24-8C**LEARNING** S22-5, T19-13B, T19-16B, T20-3C, T25-10C, T25-13A, T25-4C, T26-7A, T27-6A, T8-11B**LEARNING AND MEMORY** S10-1, S10-2, S10-3, S14-5, S16-2, Sat2-3, T11-5A, T19-3C, T25-14A, T25-1B, T25-2B, T25-3A, T25-3B, T25-4B, T25-5A, T25-5B, T25-6A, T25-6B, T25-9B, T26-11A, T26-5A, T8-10B, T8-1B, T8-3A, T8-5C**LESION** T15-10B, T18-4C, T8-6B**LIMBIC SYSTEM** T22-5A, T24-7A, T8-3B**LIPID** S9-1**LITHIUM** T13-6B**LOCALIZATION** T11-13B, T18-2B, T5-2C, T7-8A**LOCOMOTION** T11-21A, T21-3B, T21-8A, T22-2C, T23-7B**LOCOMOTOR ACTIVITY** T14-4B**LTD** T7-4C, T11-4C, T25-11A, T8-2A, T8-3C, T8-8B, T8-9B, T8-9C**LYOSOME** S18-5**M****MACAQUE** T16-2B, T16-5C, T16-8C, T21-5C, T24-2B, T24-5B, T25-14C, T26-13A**MAGNETIC** T19-18A, T8-7C

**MAGNETIC RESONANCE****IMAGING** P5**MAPK** T2-4B**MAPPING** T26-8B, T7-6B**MATERNAL** T24-12B**MATING** T23-11B**MATRIX** S9-4, T27-7B, T3-3B, T3-3C**MATURATION** T2-2C**MECHANOSENSORY** S15-2, S15-3, S5-4, T17-12B, T17-14A, T17-3C, T17-4A, T17-5B, T17-6A, T17-8A, T17-8B, T17-9B, T20-3B, T20-6A, T20-6C, T20-9C, T21-2A, T21-3B**MEDULLA** T18-8B**MEG** S16-5**MELATONIN** T22-4B, T22-5B**MEMBRANE** S18-1, T2-2B, T4-2A, T7-2C**MEMBRANE POTENTIAL** T26-1A, T7-3C**MEMORY** S21-1, S21-5, S5-7, T11-7B, T25-11B, T25-13A, T25-3C, T25-4A, T25-5C, T25-8A, T25-8C, T27-6B**MESENCEPHALIC** T1-14A, T15-10A**METABOLISM** T22-1B, T27-1B, T27-2B, T9-13A, T9-3B**METABOTROPIC RECEPTOR** T15-14B, T6-9B, T7-17A**MGLUR** Sat1-2, T9-5A**MICROARRAY** T10-2B, T18-9A, T19-22B, T23-14C, T23-5C, T27-9B**MICRODIALYSIS** T13-7A, T25-16B**MICROELECTRODE** S20-4, T23-12C**MICROGLIA** S3-1, S3-2, S3-3, S3-4, S3-5, S3-6, T11-18B, T11-18C, T11-19A, T11-20C, T12-1B, T12-2C, T9-12A, T9-14B, T9-14C, T9-5B, T9-5C, T9-6C, T9-9C**MICROTUBULE** T1-1C, T17-1B, T2-10A, T7-12B**MIDBRAIN** T1-10A, T15-15B, T17-1A, T18-5A, T18-5C, T27-2C, T27-4A**MIGRATION** S13-3, S15-4, S3-1, S3-3, S6-5, T1-13C, T13-6B, T1-3B, T1-4A, T1-5B, T1-6A, T2-12A, T2-5A**MITOCHONDRIA** S13-1, T11-14C, T11-1B, T11-2A, T11-9A, T12-1B, T12-2A, T12-5A, T20-5A, T7-12C, T9-1B**MODEL** S9-2, T11-4B, T17-10C, T25-11C, T26-12B, T26-13B, T26-2B, T26-5A, T26-7C, T8-11B**MODELING** T14-2C, T14-3A, T14-6B, T14-9C, T17-9B, T18-13C, T20-4C, T21-11B, T21-3C, T23-13A, T23-13C, T24-10B, T24-11C, T26-12A, T26-12C, T26-14C, T26-15C, T26-2C, T26-3C, T26-4B, T26-4C, T26-6C, T26-8A, T27-7C**MODULATION** T19-11A, T19-16C, T19-22A, T19-6B, T20-3B, T20-6A, T6-9C**MONKEY** T15-8C, T2-1A, T24-11B, T24-1B**MONOAMINE** T23-12B**MONOCULAR DEPRIVATION** S9-3, T16-10A**MORPHOMETRY** T27-1C, T2-8C**MOTION** T16-5C, T24-6C, T27-8A**MOTION PERCEPTION** S2-5, T14-6B, T14-7B, T21-1C**MOTIVATION** T24-10A, T24-5C, T24-9B**MOTOR** T7-1B**MOTONEURON** T11-17C, T1-15C, T11-7C, T14-7B, T21-2C, T21-4B, T21-7B**MOTOR ACTIVITY** S7-6, T21-1C, T21-5A, T21-9C, T26-7C**MOTOR CONTROL** S11-3, S22-5, T20-4C, T20-9C, T21-4A, T21-5B, T21-7A, T21-7C, T21-8C, T21-9B, T23-7B, T23-8C, T24-6A, T26-16C**MOTOR CORTEX** S16-3, T21-10B, T26-3B**MOTOR LEARNING** T14-10B, T24-3A**MOTOR NEURON** T17-8C, T21-5B, T21-6A, T26-2C**MOUSE** S13-1, T10-2B, T10-4B, T12-4B, T1-2C, T15-1C, T15-3A, T15-5A, T15-6A, T16-5A, T16-9A, T17-13A, T17-9A, T18-10A, T18-6C, T19-22C, T19-23C, T20-8C, T11-22A, T15-2B, T16-11A, T18-11B, T6-10B**MOVEMENT** T26-7C**MRI** T10-1B**MULTIELECTRODE** S20-3, T15-11C, T15-2C, T15-6C, T16-2B, T16-6A, T18-14C, T18-3C, T19-4A, T23-1C, T26-13C, T26-9B, T27-7B, T27-9B, T8-9C**MULTIPLE SCLEROSIS** T12-2C, T12-3A, T12-7A, T12-7C, T12-9A**MULTISENSORY** T14-3C, T14-6C, T17-14C, T17-5C, T23-3B, T26-11A, T8-11B



**MULTIVARIATE CLASSIFICATION** P5  
**MUSCARINIC** Sat2-7  
**MUSCIMOL** T18-12C  
**MUSCLE** T21-11B, T21-3C, T21-6A, T6-11B, T7-13C  
**MUTANT** T10-4B, T6-8C  
**MUTATION** T17-13C, T6-7A  
**MYELIN** T12-9B, T9-3C

## N

**NAVIGATION** T14-2C, T15-5B, T17-3A, T19-15B, T19-5A, T25-1C  
**NEOCORTEX** S20-1, S8-3, T1-15A, T1-7C, T26-10A, T6-10A, T7-15A, T7-5C  
**NEONATAL** T11-7A  
**NERVE** T27-6C  
**NERVE INJURY** S7-6  
**NETWORK INTERACTIONS** S8-1  
**NETWORK** S14-4, S20-1, S20-2, S5-8, S8-2, S8-4, S8-5, S8-6, T10-3C, T18-12B, T20-3A, T23-14C, T23-15A, T23-14B, T23-1B, T23-2B, T23-4B, T23-4C, T23-5C, T23-7B, T23-9C, T24-9A, T26-13B, T26-14A, T26-1B, T26-1C, T26-2B, T26-3C, T26-4C, T26-6C, T26-7A, T27-2C, T27-7C, T6-5A  
**NEURAL CODING** S14-5, S20-1, S8-1, S8-2, T14-1C, T17-3C, T19-1B, T19-6B, T20-1C, T23-10A, T23-6C, T25-7C, T26-10B, T26-10C, T26-12A, T26-13C, T26-1B, T26-3B, T8-6C  
**NEURAL STEM CELLS** T1-11C, T1-12B, T1-15B, T1-16B, T1-19C, T1-3A, T1-5C, T1-8C, T2-6A  
**NEURITE** T23-9C  
**NEURITE OUTGROWTH** S15-1, S15-2, S24-1, T11-17C, T2-3C, T2-9C, T3-2B, T3-2C, T5-2B, T9-12B, T9-6B  
**NEUROBLASTOMA** T1-19A  
**NEURODEGENERATION** S18-3, S20-5, S4-1, S9-1, S9-5, S9-6, T10-1A, T11-11B, T11-12B, T11-12C, T11-15B, T11-16B, T11-17C, T11-18B, T11-18C, T11-6A, T11-6B, T11-7C, T12-5A, T12-9A  
**NEUROENDOCRINE** T22-2A  
**NEUROGENESIS** S6-1, T1-11A, T1-11B, T1-12C, T1-15A, T1-18A, T1-18B, T1-19C, T1-20A, T13-3A, T1-3C, T1-5C, T1-6C, T1-7B, T1-8B, T19-5A, T2-3B, T25-2B, T9-4C  
**NEUROIMAGING** S22-5, T24-12C

**NEUROLEPTIC** T1-2B  
**NEUROMODULATION** T20-6C, T24-5C, T24-9B, T4-1B, T4-3A  
**NEUROMUSCULAR JUNCTION** T4-1B, T7-13C, T7-15C  
**NEUROMUSCULAR** T21-8C, T6-11A  
**NEURON** S16-1, T14-2A, T18-1A, T19-19A, T23-8A, T2-3C, T27-8B, T6-4A, T6-9A, T7-6C, T8-4B  
**NEURONAL DEATH** T11-10A, T11-11A, T11-21A, T12-7A, T9-12A  
**NEURONAL DIFFERENTIATION** T1-11C, T1-14C, T1-5C, T2-9C  
**NEURONAL NETWORK** Sat2-6  
**NEUROPATHOLOGY** T10-2A, T11-18A  
**NEUROPATHY** T11-1B, T12-3B  
**NEUROPEPTIDE** S17-1, S17-3, S17-4, S17-5, S3-3, T1-10B, T14-9B, T19-17B, T22-1B, T22-4C, T23-9A, T27-6C, T3-4C, T4-2B, T4-6A, T5-3A, Y T23-12B  
**NEUROPIL** T19-12B, T19-7A, T4-1A  
**NEUROPLASTICITY** S9-6, T19-9B, T21-10B  
**NEUROPROTECTION** S4-1, S9-6, T11-21C, T11-9A, T12-4A, T12-4B, T12-5A, T12-5C, T12-6C, T12-8B, T12-8C  
**NEUROPROTECTIVE MECHANISMS** T11-22C  
**NEUROSECRETION** T22-3A  
**NEUROTECHNIQUES** T26-15A  
**NEUROTECHNOLOGY** S20-5  
**NEUROTOXICITY** T11-10C, T12-10B, T2-8B, T3-5C  
**NEUROTRANSMISSION** T5-3B, T8-6B  
**NEUROTRANSMITTER** S17-2, S3-4, T19-10A, T25-16B, T9-2A  
**NEUROTRANSMITTER RELEASE** T7-10B, T7-16B, T7-2B  
**NEUROTROPHIC FACTOR** S7-2, T13-4B, T8-2B  
**NEUROTROPHIN** S16-2, Sat2-7, T1-18A, T4-1C, T4-2C, T4-6B, T8-4C  
**NICOTINE** T7-7A  
**NICOTINIC** T25-4B  
**NICOTINIC RECEPTOR** T21-4C  
**NITRIC OXIDE** T20-3B, T23-15C, T2-4A, T2-6C, T4-2A, T4-5A, T7-8B, T9-5C  
**NMDA RECEPTOR** S14-2, T24-1A, T6-8A, T7-11B, T7-12A, T7-5B, T8-7C



**NMDA** T18-7B, T23-2A, T23-3A  
**NOCICEPTION** T20-6B  
**NOISE** T17-5A, T18-11C, T26-10B  
**NOREPINEPHRINE** T22-1C, T23-7A, T8-5B  
**NUCLEUS ACCUMBENS** T8-12A

## O

**OBJECT RECOGNITION** T17-11B, T17-3A, T20-7B  
**OCULAR DOMINANCE** S9-3, T16-4A, T26-5C, T26-9A  
**OCULOMOTOR** T14-4B, T16-10B, T16-1A, T16-3A, T16-6B, T17-8C  
**ODOR** T19-11C, T19-18B, T19-2C, T19-7C, T25-13B  
**OLFACTION** S5-5, S5-6, S5-7, T19-10A, T19-10C, T19-11A, T19-12A, T19-12B, T19-12C, T19-13A, T19-13B, T19-14A, T19-14B, T19-14C, T19-15B, T19-15C, T19-16A, T19-16B, T19-16C, T19-17A, T19-18C, T19-19A, T19-19B, T19-19C, T19-1A, T19-1B, T19-1C, T19-20A, T19-20B, T19-21A, T19-21B, T19-21C, T19-22B, T19-23A, T19-23B, T19-23C, T19-24B, T19-2B, T19-2C, T19-3B, T19-3C, T19-4A, T19-4C, T19-5B, T19-5C, T19-6B, T19-7B, T19-7C, T19-8A, T19-9A, T19-9B, T19-9C, T25-15C, T25-3A, T25-7C, T25-9B, T8-7B  
**OLFACTORY** T19-10B, T19-11B, T19-13C, T19-20C, T19-22A, T19-8B, T1-9A, T3-4A, T9-12B, T9-8A  
**OLFACTORY BULB** S6-2, T1-4C, T19-10C, T19-22C, T19-5A, T5-4C  
**OLIGODENDROCYTE** T1-18C, T12-7C, T5-2B, T9-3C  
**OPERANT** T24-11A, T24-5C, T24-9B, T25-4C  
**OPIOID** T4-2B  
**OPTICAL IMAGING** S2-1, S5-2, T11-4A, T1-19B, T16-10A, T16-11A, T16-13B, T16-3B, T16-4A, T16-5B, T19-14A, T19-20B, T19-23B, T23-12A, T7-7B, T9-1B  
**OPTICAL RECORDING** S5-6  
**ORIENTATION** T14-6C, T17-3A, T19-18A, T20-4A, T20-8A, T25-13B, T25-1C, T25-5C  
**OSCILLATION** S14-1, S14-3, S14-4, S14-5, S14-6, S8-5, Sat2-8, T18-3B, T20-4B, T21-10B, T23-10A, T23-11C, T23-12A, T23-2C,

T23-3B, T23-3C, T23-4C, T23-5B, T23-8B, T25-15B, T25-7B, T25-8B, T25-9A, T7-7A, T8-5A, T8-5B, T8-6A  
**OSCILLATOR** T26-8A  
**OXIDATIVE STRESS** T11-1B, T20-5A, T9-11A  
**OXYTOCIN** T16-1C, T22-5C, T24-8A

## P

**PACEMAKER** T23-6B  
**PAIN** T12-7B, T27-5A, T4-4B, T4-5B, T6-2B  
**PARIETAL CORTEX** T21-5C, T24-1C, T24-2A  
**PARKINSON** T11-14B, T11-1A, T11-20A  
**PARKINSON'S DISEASE** S4-1, Sat1-3, T11-16C, T11-17A, T11-17B, T11-20B, T11-20C, T11-2A, T11-6C, T11-7A, T11-8A, T3-1A  
**PARKINSONS'S DISEASE MODELS** T11-22C  
**PATCH CLAMP** T15-5C, T15-7C, T15-9C, T23-7C, T5-3A, T6-2A, T6-4B  
**PATTERNING** T1-10A, T19-9C  
**PEPTIDE** S17-2, S17-4, T13-1B, T22-3A, T22-4C, T27-8B  
**PERCEPTION** T15-14C, T15-4B, T16-4C, T16-7C, T17-11B, T17-5C, T24-11C  
**PERIPHERAL NERVE** T21-3A, T2-1C  
**PET** T10-1B, T24-11A  
**PH** T27-1A  
**PHENOTYPE** T9-14B  
**PHOSPHATASE** T1-16C, T1-17C, T23-1A  
**PHOSPHOLIPID** T1-7C, T7-7C  
**PHOSPHORYLATION** T11-13B, T7-8C  
**PHOTORECEPTOR** S23-6, T11-11C, T14-1C, T15-11A, T15-12B, T15-12C, T15-13A, T15-1A, T15-1B, T15-1C, T15-2A, T15-3C, T15-5A, T15-5B, T15-9B, T21-6C, T7-2A  
**PKC** T23-14B  
**PLACE CELLS** T25-15B, T26-2A  
**PLASTICITY** S12-6, S7-4, S9-2, Sat2-3, T10-1A, T12-3C, T14-10A, T15-4C, T16-2A, T19-15A, T19-4B, T19-5B, T20-2B, T20-7C, T23-11A, T25-10A, T25-6C, T25-7B, T25-7C, T26-14A, T26-15C, T2-7B, T8-10A, T8-1A, T8-1C, T8-4C, T8-6B, T9-6B



**POLYGLUTAMINE** T11-12B  
**POSTSYNAPTIC DENSITY** Sat2-4, T10-1C, T2-7C, T7-1C  
**POSTSYNAPTIC MECHANISMS** T8-12C  
**POSTSYNAPTIC** T7-11A, T7-19A, T8-3A  
**POSTURE AND VOLUNTARY MOVEMENTS** S22-1, S22-3  
**POTASSIUM** T19-21C  
**POTASSIUM CHANNEL** T11-12A, T11-3B, T12-3A, T18-8A, T6-10B, T6-2A, T6-4C, T6-5A, T6-7B  
**POTENTIATION** T6-7C  
**PREFRONTAL** T24-1B  
**PREFRONTAL CORTEX** S22-4, T13-1A, T23-1C, T24-2B, T26-14B, T4-3C  
**PREMOTOR** T26-14C  
**PRESYNAPTIC** T2-2C, T7-13A, T7-16B, T7-17A, T7-3A, T7-8C, T7-9B, T8-4A  
**PRESYNAPTIC INHIBITION** T23-5A  
**PRIMATE** T24-10C, T27-3C  
**PROCESSING** T17-14C  
**PROLIFERATION** T1-12A, T1-19A, T1-3C, T1-4A, T1-4B, T15-10B, T1-7A, T3-3A, T9-12C  
**PROPRIOCEPTIVE** T21-1A  
**PROPRIOCEPTIVE** T16-4B  
**PROTEASOME** T25-3C  
**PROTEIN** T11-14B, T17-10A, T19-11B, T6-1A, T7-4A, T9-3C  
**PROTEIN SYNTHESIS** T11-13C, T25-6B, T8-4A, T8-8B, T9-7B  
**PROTEOGLYCAN** T9-10C, T9-7C, T9-9B  
**PROTEOLYSIS** S12-3, S18-4, T10-4A  
**PSYCHOPHYSICS** T16-11C, T16-1B, T16-7B, T18-11B, T18-6B, T24-11C, T26-16C  
**PSYCHOSTIMULANT** T13-2C  
**PURINERGIC** T11-18C, T1-14C, T1-9A, T4-3C, T4-4C, T6-1B, T6-2C, T9-14A, T9-4C  
**PYRAMIDAL** T16-6C, T27-4C, T27-9C, T7-5C

## R

**RADIAL GLIA** T1-17B, T1-9C  
**RAT** S4-2, S7-4, T10-4C, T16-9C, T18-10B, T20-5B, T23-1C, T24-10A, T24-3B, T24-9C, T25-10C  
**REACHING** T21-5C, T24-2A  
**RECEPTIVE FIELD** T14-1B, T14-3B, T15-8B, T16-9B, T17-1A, T17-4C

**RECEPTOR** S5-5, T17-13C, T17-7B, T17-9A, T19-1A, T19-20C, T19-5C, T19-8A, T19-9A, T5-2A, T6-5B, T7-11A, T9-13C  
**RECEPTOR BINDING** T12-8A  
**RECOGNITION** Sat1-1, T15-13C, T17-6B, T19-2A, T26-14C  
**REFLEX** T14-3C, T15-13C, T21-2A  
**REGENERATION** S7-2, S7-3, T1-15C, T12-5B, T1-3C, T15-8C, T16-3B, T22-2A, T3-1B, T3-2B, T3-2C, T3-3C, T3-4B, T3-4C  
**REHABILITATION** S12-6  
**REINFORCEMENT** T25-10A, T8-8A  
**RELEASE** T6-3A, T7-9B  
**REPRODUCTION** T22-1A  
**RESPIRATION** T10-3C, T6-11B  
**RETINA** S2-1, S2-3, S23-1, S23-5, S2-4, S2-5, S2-6, T11-20A, T1-16C, T1-17C, T12-8B, T15-1C, T15-10B, T15-11A, T15-11B, T15-11C, T15-12A, T15-13A, T15-12C, T15-12B, T15-13B, T15-14A, T15-14C, T15-1A, T15-1C, T15-2B, T15-3A, T15-3B, T15-3C, T15-4A, T15-4C, T15-5A, T15-5B, T15-5C, T15-6A, T15-6B, T15-6C, T15-7A, T15-7B, T15-8A, T15-9A, T15-9B, T15-9C, T26-11B, T26-16A, T27-9B, T3-1C, T7-2A, T7-5A, T7-9B, T9-10A, T9-11A, T9-2A, T9-5B  
**RETINAL GANGLION CELL** S2-2, T12-5B, T15-2C, T15-7C, T15-8B, T3-4B  
**RETINAL IMPLANT** S20-5  
**RETINOTECTAL** T2-10B  
**RETROGRADE** T16-3A, T7-4B  
**REWARD** T13-1C, T13-4C, T19-16B, T24-2C, T25-2C, T27-6A  
**RHYTHM** T20-1A, T23-6C  
**RNA** T11-10C, T1-8C, T2-5C  
**RT-PCR** T25-9C, S11-4, S15-6, S1-6, S18-2, S18-5, S19-1, S19-6, S20-2, S22-1, S22-2, S22-3, S23-2, S23-3, S23-4, S4-6, S6-4, S6-6

## S

**SACCADE** S22-4, T16-1A, T16-3C, T16-4C, T16-7A, T16-9B, Sat2-1, Sat2-6  
**SCHIZOPHRENIA** S13-1, S13-2, S13-3, S13-4, S13-5, S4-5, Sat2-5, T10-2B, T11-5A, T13-6C, T13-7C, T24-1A, T5-1B, T8-2C  
**SCHWANN CELL** S7-1, T1-17A  
**SECOND MESSENGER** T19-8A, T27-8C

- SECRETION** T4-1C, T4-6B, T7-10C, T7-3C, T9-2C
- SEIZURE** T1-11A, T1-4B, T9-8C
- SENSITIZATION** T19-10B
- SENSORIMOTOR** S22-5, T14-7C, T14-8C, T20-1C, T20-8B, T20-9A, T21-1C, T21-3B, T21-8B, T21-8C, T25-11C, T26-2A
- SENSORY** T17-11C, T17-2C, T17-4A, T17-5A, T20-3A
- SENSORY NEURONS** S24-6, S5-1, T15-8B, T17-1A, T17-4C, T19-10C, T19-12C, T19-1C, T20-6B, T21-6C
- SEPTAL AREA** T25-12B
- SEROTONERGIC** T4-5B
- SEROTONIN** S5-8, T1-10B, T19-7A, T22-5C, T23-7A, T24-6B, T24-7A, T6-4A
- SEROTONIN RECEPTOR** T10-3C, T12-8A, T5-1B, T5-1C, T5-3C, T8-11C
- SEX** T24-5A
- SEX DIFFERENCES** T24-13B
- SEXUAL BEHAVIOR** T19-16A
- SIGNAL TRANSDUCTION** S18-1, *Sat*2-5, T10-3A, T11-19A, T1-18B, T17-13B, T17-1C, T17-7B, T17-9B, T19-11B, T19-12C, T19-13A, T19-19B, T19-6A, T19-6C, T19-7B, T25-5B, T26-12A, T26-6B, T5-3C, T7-1C, T8-8C, T9-2B, T9-6B, T9-9C
- SIMULATION** T15-10C, T2-10B, T26-11B, T26-11C, T26-17A, T26-1C, T26-2A, T26-3A, T26-4C, T26-6C, T26-7B, T26-8C, T27-3B
- SINGLE UNITS** T18-12C
- SLEEP** T24-3C, T25-14A, T25-4A, T25-8A
- SLICE** S20-3, T11-10A, T11-11A, T11-19C, T12-4A, T13-6B, T18-14C, T23-11C, T27-2C, T9-8C
- SODIUM** T9-4A
- SODIUM CHANNEL** T15-3A, T26-10A, T6-10A, T6-2B, T6-4B, T7-13B
- SOMATOSENSORY** T17-12C, T6-2B
- SOMATOSENSORY CORTEX** S14-3, T20-1B, T20-2B, T20-4B, T20-5C, T20-7B, T20-7C, T2-12B, T23-13A,
- SONG** T18-14A
- SOUND LOCALIZATION** T18-3B, T18-4C, T18-7A
- SOX PROTEIN** *Sat*2-1
- SPATIAL** S22-5, T24-2A, T26-4A
- SPATIAL LEARNING** T14-7A
- SPATIAL MEMORY** T25-12A, T8-7A
- SPATIAL ORIENTATION** T14-3A, T14-7A, T14-9A, T18-7A, T24-13B, T6-4B
- SPEECH** T18-14A
- SPINAL CORD** T1-5B, T21-1B, T21-7C, T23-10C, T27-2A, T6-3C
- SPINAL CORD INJURY** S7-1, S7-2, S7-4, S7-5, S7-6, T1-15C, T12-1A, T3-2B, T3-2C, T3-3C, T9-11C
- SPINAL CORD INJURY AND PLASTICITY** T3-5C
- SPREADING DEPRESSION** S1-1, S1-2, S1-3, S1-4, S1-5, T11-15A, T11-3B, T4-5B,
- SPROUTING** T15-9A
- STARTLE** T13-4B, T18-6B, T22-1C, T23-11B
- STATUS EPILEPTICUS** T12-1C
- STEM CELL** S6-1, T11-17A, T11-1C, T1-13B, T1-14C, T1-16A, T1-16C, T1-17A, T1-17C, T1-19B, T1-1A, T1-5A, T1-6B, T1-9A, T1-9B, T3-5A
- STIMULATION** T17-6C, T25-1A, T27-3B
- STOMATOGASTRIC** T21-1A
- STRESS** S10-1, S10-2, S10-3, S10-4, S10-5, S4-3, T11-16B, T13-1A, T13-2A, T13-5C, T22-1C, T22-3B, T22-3C, T22-4A, T22-5A, T22-5C, T25-11A, T25-14A, T8-7A, T8-9A
- STRIATE CORTEX** T16-5B, T16-9B, T26-15A
- STRIATUM** T24-3B
- STROKE** S1-1, S1-2, S1-3, S1-5, T10-1B, T10-3B, T11-11A, T11-12A, T11-13A, T11-14C, T11-15A, T11-4A, T1-15B, T12-10C, T12-3C
- STRUCTURE** S8-4, T25-6C, T26-14A, T26-2B, T26-4A, T6-4C, T6-8A
- SUBVENTRICULAR ZONE** S6-2, S6-3, T1-18B, T1-2A
- SUPERIOR COLLICULUS** T26-10C
- SUPRACHIASMATIC NUCLEUS** T23-10B
- SWIMMING** T21-7C
- SYMPATHETIC** T1-1B
- SYNAPSE** S12-2, S16-1, S8-3, T15-11A, T15-2A, T15-6A, T2-7A, T7-10C, T7-11C, T7-13C, T7-15C, T7-16A, T7-2A, T7-6A, T9-11B
- SYNAPSE FORMATION** S12-1, S24-4, *Sat*2-4, T15-12B, T15-13A, T15-8A, T2-12A, T2-2A, T26-5B, T2-7A, T7-10A, T7-16C, T7-3B
- SYNAPTIC** T13-6C, T24-4B, T5-4C, T7-6B



**SYNAPTIC DEPRESSION** T11-21B, T8-6C

**SYNAPTIC PLASTICITY** S10-1, S10-2, S10-5, S12-3, S12-5, S13-2, S16-2, S19-4, S21-3, T10-1C, T15-1B, T15-9A, T19-17C, T23-2A, T23-3A, T25-1B, T26-11A, T26-13B, T7-12A, T7-4C, T8-10B, T8-10C, T8-11C, T8-12B, T8-12C, T8-2B, T8-2C, T8-3B, T8-4A, T8-4B, T8-7B, T8-9A, T8-9B

**SYNAPTIC TRANSMISSION** S17-2, T14-7B, T16-13B, T18-13C, T18-5B, T22-3C, T27-4C, T4-2C, T4-3B, T6-10C, T6-8B, T6-9B, T7-11A, T7-11B, T7-12C, T7-13A, T7-14A, T7-14B, T7-14C, T7-15A, T7-15B, T7-19A, T7-3B, T7-4B, T7-8B, T8-12C, T8-1C

**SYNAPTIC VESICLES** T14-9B, T2-2C, T2-6A, T7-10B, T7-15A, T7-16C, T7-3A, T7-3B, T7-4A, T7-5A, S7-7B

**SYNAPTOGENESIS** S12-4, T1-7B, T2-6A, T2-7A, T2-7C, T7-10A, T7-16C, T8-11C, T9-10B, T9-1C

**SYNCHRONIZATION** S8-6, T11-5B, T14-8A, T16-10C, T16-12C, T20-8B, T23-13C, T25-1A, T26-10B, T26-17A, T26-6A, T26-8A

**SYNCHRONY** S16-3, S16-4, T26-11C, T26-13C, T26-1A, T26-3B, T26-7B, T26-8B, T26-9B

**SYNUCLEIN** T11-15B, T11-16C, T11-1A, T11-20B, T17-14C, T21-11C

## T

**TACTILE** T20-1C

**TACTILE/SOMATOSENSORY** S8-1

**TASTE** T19-19C, T5-4A

**TAU** S19-2, T11-11B, T11-15C, T1-1C, T2-3B

**TEACHING OF NEUROSCIENCE** T27-5C, T27-7C

**TEMPERATURE** T15-6C, T20-2A, T20-8A, T7-12B

**TEMPORAL** S2-3, T18-5C, T26-9C

**THALAMOCORTICAL** T24-10B, T26-12C, T5-4B

**THALAMUS** S21-4, T1-10C, T12-4C, T18-9C, T23-4A, T6-3A, T6-3B, T26-15A

**THETA** T25-15B, T25-9A

**TIMING** S16-3, T23-15A, T23-6C, T24-10C, T26-16C, T26-6A, T26-7B, T8-6C

**TOXICITY** T11-11C, T20-5B, T24-7B

**TRAFFICKING** S18-1, T10-2A, T14-8B, T19-10B, T19-7B, T2-9A, T6-6B, T7-9C

**TRANSCRIPTION** S6-5, T25-11A, T25-6B, T5-1B

**TRANSCRIPTION FACTOR** T11-2C, T1-17B, T11-7C, T1-4C, T2-10C, T2-11A, T21-3A, T3-1B

**TRANSDUCTION** T19-8B

**TRANSGENIC MICE** S19-1, S19-2, S19-5, T10-1C, T11-13C, T11-20B, T11-2B, T27-5A, T27-7A, T9-7B, T27-9C

**TRANSMISSION** T26-11B

**TRANSPLANTATION** S7-1, T1-12B, T11-4B, T11-6C, T11-8B, T1-9B

**TRANSPORT** T21-6C, T2-5C, T27-1A, T7-9A

**TRANSPORTER** T6-3C, T6-7A, T7-18A

**TRAUMA** S1-2, S7-3, T18-1C

**TRAUMA SPINAL CORD** T3-5C

**TRIGEMINAL GANGLION** T16-4B, T6-5C, T6-6C

**TUMOR** T1-5A, T1-6B

**TYROSINE HYDROXYLASE** T1-14B

**TYROSINE KINASE** T9-9C

## U

**UBIQUITIN** S18-4, T11-14A, T7-9C

**ULTRASTRUCTURE** T15-1B, T15-7A, T8-10B

## V

**VASCULAR** T11-6C, T15-7B

**VENTRAL TEGMENTAL AREA** T25-12C

**VESTIBULAR** T17-8C

**VIBRISSA** T20-5C

**VIRUS** T11-5C, T12-9C, T16-3A, T18-7C, T2-2B, T8-3C

**VISION** S11-1, S2-2, S23-1, S23-5, S2-4, T14-10A, T14-10B, T14-1A, T14-1C, T14-2B, T14-3B, T14-5B, T14-8A, T15-10A, T15-10C, T15-11B, T15-12A, T15-12B, T15-13C, T15-14A, T15-14B, T15-14C, T15-15A, T15-1C, T15-3B, T15-4B, T15-5B, T15-9B, T16-2C, T16-6B, T16-7B, T24-4A, T25-13C, T26-16A, T26-3A

**VISUAL** S9-3, T14-5A, T16-11B,  
T27-3A

**VISUAL CORTEX** S16-4, T16-  
10C, T16-12A, T16-12B, T16-13B,  
T16-1C, T16-2A, T16-2B, T16-3B,  
T16-4A, T16-6A, T16-6C, T16-8A,  
T16-9A, T16-9C, T23-12A, T24-2C,  
T26-13A, T26-3C, T26-5C, T26-8B,  
T26-9A, T7-13A, T8-2B

**VISUAL MOTION** S5-2, T14-1B,  
T14-2A, T14-4A, T14-4B, T14-5C,  
T14-6A, T14-9A, T16-10B, T16-  
13A, T16-8B, T16-8, T24-4C, T26-  
10C, T26-14B, T7-14A

**VISUAL PERCEPTION** S5-3,  
T16-11A, T24-5B

**VISUOMOTOR PROCESSING**  
S22-1, S22-2, S22-3, T21-11C

**VOCALIZATION** T18-12C, T18-  
6C, T21-2B, T21-9B, T24-10A,  
T24-3B, T24-9C

**VOLTAGE CLAMP** T7-14A

**VTA** T8-8A

## W

**WALKING** T21-2A, T21-8B, T26-  
2C

**WORKING MEMORY** T25-14C

## X

**XENOPUS** T17-11C

## Z

**ZINC** T6-11C, T7-4A



## Addresses

(Registered Participants as of January 1, 2009)

**Abel**, Dr. Cornelius, AK Neurobiologie und Biosensorik, Institut für Zellbiologie und Neurowissenschaft, Siesmayerstraße 70 A, 60323, Frankfurt/Main, Tel.: +49 69 79824762, Email: abel@zoology.uni-frankfurt.de

**Adelsberger**, Dr. Helmuth, Institut für Neurowissenschaften, Technische Universität München, Biedersteiner Str. 29, 80802, München, Tel.: +49 89 41403518, Email: adelsberger@lrz.tum.de

**Aertsen**, Prof. Dr. Ad, Institut für Biologie III, Albert-Ludwigs-Universität, Schänzlestr. 1, 79104, Freiburg i. Br., Tel.: +49 761 203 2718, Email: aertsen@biologie.uni-freiburg.de

**Agarwal**, PhD Amit, Neurogenetics, Max-Planck-Institute of Experimental Medicine, Hermann-Rein-Straße 3, 37075, Göttingen, Tel.: +49 551 3899742, Email: agarwal@em.mpg.de

**Agte**, PhD Silke, Neurophysiology/Soft Matter Physics, Paul-Flechsing-Institut für Brain Research; Institute of Physics, Jahnallee 59, 4109, Leipzig, Tel.: +49 341 9725783, Email: silke.agte@medizin.uni-leipzig.de

**Aguado**, Ainhara, Cell Physiology Department, Ruhr University, Universitätstraße 150, 44780, Bochum, Tel.: +49 234 3228841, Email: ainhara.aguado@gmail.com

**Ahlers**, Malte Thorsten, Fk V, IBU, AG Neurobiologie, Carl-von-Ossietzky-Universität Oldenburg, Carl-von-Ossietzky-Straße 9-11, 26111, Oldenburg, Tel.: +49 441 7983202, Email: m.ahlers@uni-oldenburg.de

**Ahmadi**, Dr. Seifollah, Institute of Physiology II, University of Bonn, Wilhelmstr. 31, 53111 Bonn, Bonn, Tel.: +49 228 28722307, Email: seifollah.ahmadi@ukb.uni-bonn.de

**Ahrens**, Birgit, Fischbach-Labor, Institut für Biologie III, Schänzlestraße 1, 79104, Freiburg, Tel.: +49 761 2032759, Email: birgit.ahrens@biologie.uni-freiburg.de

**Akinturk**, B.Sc. S.Serra, Institute for Neuroanatomy and Molecular Brain Research, International Graduate School of Neuroscience, Universitätsstraße 150, MA 6/61, 44780, Bochum, Tel.: +49 234 3225004, Email: serra.akinturk@rub.de

**Albus**, Christina, Vergleichende Neurobiologie, Universität Bonn, Meckenheimer Allee 169, 53115, Bonn, Tel.: +49 228 739715, Email: chralbus@uni-bonn.de

**Althen**, Heike, Neurobiologie und Biosensorik, Institut für Zellbiologie und Neurowissenschaft, Goethe-Universität Frankfurt, Siesmayerstr. 70, Haus A, 60323, Frankfurt am Main, Tel.: +49 69 79824735, Email: althen@stud.uni-frankfurt.de

**Alvi**, M.Sc. Abid Mahmood, Unit for Developmental Biology and Morphology of Animals, Institute for Biologie II, RWTH Aachen University, Kopernikusstr-16, 52074, Aachen, Tel.: +49 241 24839, Email: abid@bio2.rwth-aachen.de

**Alzheimer**, Prof. Dr. Christian, Institut für Physiologie und Pathophysiologie, Universität Erlangen-Nürnberg, Universitätsstr. 17, 91054, Erlangen, Tel.: +49 431 8802025, Email: c.alzheimer@physiologie.uni-kiel.de

**Ammermueller**, Dr. Josef, Department of Natural Sciences and Mathematics, University of Oldenburg, PO box 2503, 26111, Oldenburg, Tel.: +49 441 7983420, Email: josef.ammermueller@uni-oldenburg.de

**Ammerdsörfer**, Sandra, Institut für Zoologie, Tierärztliche Hochschule Hannover, Bünteweg 17, 30459, Hannover, Tel.: +49 511 9538427, Email: sandra.ammerdsorfer@tiho-hannover.de

**Angay**, Dipl.-Biol. Oguzhan, Lehrstuhl für Zoologie, Technische Universität München, Hochfeldweg 2, 85350, Freising, Tel.: +49 8161 202906, Email: oguzhanangay@web.de

**Antal**, Dr. Andrea, Clinical Neurophysiology, Georg-August-University, Robert-Koch-Str. 40, 37075, Göttingen, Tel.: +49 551 398461, Email: AAntal@gwdg.de

**Anton**, Dr. Sylvia, UMR 1272 Physiologie de l'Insecte, INRA, Route de St Cyr, 78000, Versailles, France, Tel.: +331 1 30893163, Email: santon@versailles.inra.fr

**Appl**, Dr. Thomas, Experimental Therapy, Franz-Penzoldt-Center, University of Erlangen-Nürnberg, Palmsanlage 5, 91054, Erlangen, Tel.: +49 9131 8523566, Email: Thomas.Appl@ze.uni-erlangen.de



**Araya Callis**, M.Sc. Carolina, Clinical neurobiology, German Primate Center GmbH (DPZ), Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851135, Email: carito\_ac1@yahoo.com

**Arbogast**, Patrick, Neuroanatomy, Max-Planck-Institute for Brain Research, Deutschordenstraße 46, 60528, Frankfurt am Main, Tel.: +49 69 96769247, Email: arbogast@mpih-frankfurt.mpg.de

**Arendt**, Dr. Thomas, Molecular and Cellular Mechanisms of Neurodegeneration, Paul-Flechsig-Institute, University of Leipzig, Jahnallee 59, 04109, Leipzig, Tel.: +49 341 9725721, Email: aret@medizin.uni-leipzig.de

**Arlt**, Carolin, Brain Research Institute, University of Bremen, FB 2 Leobener Straße, 29359, Bremen, Tel.: +49 421 2183270, Email: carlt@uni-bremen.de

**Asan**, Prof. Dr. med. Esther Silke, Institute of Anatomy and Cell Biology, University of Würzburg, Koellikerstr. 6, 97070, Würzburg, Tel.: +49 931 312715, Email: esther.asan@mail.uni-wuerzburg.de

**Attinger**, Alexander, Institute of Neuroinformatics, UNI/ETH Zürich, Winterthurerstr. 190, 8057, Zürich, Switzerland, Tel.: +41 79 4261045, Email: alexattinger@gmx.ch

**Avshalomov**, Dr. Josef, Institute of Physiology, University of Rostock, Gertrudenstraße 9, 18057, Rostock, Tel.: +49 381 4948060, Email: josef.avshalomov@uni-rostock.de

## B

**Backhaus**, Dr. rer. nat. Werner Georg Karl, Theoretical and Experimental Biology, Neuroscience, Freie University Berlin and University of Technology Berlin, Franklinstr. 28-29, 10587, Berlin, Tel.: +49 30 31473614, Email: backhaus@zedat.fu-berlin.de

**Bähr**, Prof. Dr. Mathias, Direktor der Abteilung Neurologie, Universitätsklinik Göttingen, Robert-Koch-Str. 40, 37075, Göttingen, Tel.: +49 551 396 603, Email: mbaehr@gwdg.de

**Baggerman**, Dr. Geert, ProMeta, K.U.Leuven, Herestraat 49, bus 1023, 3000, Leuven, Belgium, Tel.: +321 16 330458, Email: geert.baggerman@bio.kuleuven.be

**Bakota**, Dr. Lidia, Neurobiology, University of Osnabrueck, Barbarastr. 11, 49076, Osnabrueck, Tel.: +49 541 9692863, Email: lidia.bakota@biologie.uni-osnabrueck.de

**Baloni**, Sonia, Cognitive Neuroscience, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851354, Email: sbaloni@gwdg.de

**Balster**, Sven, HNO, Medizinische Hochschule Hannover, Carl-Neuberg-Str. 1, 30325, Hannover, Tel.: +49 511 5328284, Email: Balster.Sven@mh-hannover.de

**Bandtlow**, PhD Christine E., Biocenter, Medical University Innsbruck, Fritz-Pregl-Str. 3, 6020, Innsbruck, Austria, Tel.: +43 512 900370281, Email: christine.bandtlow@i-med.ac.at

**Baram**, Prof. Dr. Tallie Z., Anatomy/Neurobiology, Pediatrics, University of California, Irvine, ZOT 4475, 92697-4475, Irvine, USA, Tel.: +1 949 8241131, Email: baramlab@uci.edu

**Barbu**, Corina Emilia, Molecular and Cellular Mechanisms of Neurodegeneration, Paul-Flechsig-Institute for Brain Research, Jahnallee 59, 04109, Leipzig, Tel.: +49 341 9725755, Email: CorinaEmilia.Barbu@medizin.uni-leipzig.de

**Barrozo**, Dr. Romina, UMR 1272 Physiologie de l'Insecte, INRA, Route de Saint-Cyr, 78000, Versailles, France, Tel.: +331 30 833112, Email: rbarrozo@versailles.inra.fr

**Bartels**, Ruth, AG Molecular Neuroscience, Freie Universität Berlin, Takustr. 6, 14195, Berlin, Tel.: +49 30 83856915, Email: ruthbartels@googlemail.com

**Bartelt-Kirbach**, Dr. Britta, Institute of Anatomy and Cell Biology, University of Ulm, Albert-Einstein-Allee 11, 89081, Ulm, Tel.: +49 731 50023202, Email: britta.bartelt@uni-ulm.de

**Barth**, Joern, Department of Neurochemistry, Institute for Cell Biology and Neuroscience, Max-von-Laue-Str. 9, 60438, Frankfurt am Main, Tel.: +49 69 79829612, Email: joern.barth@gmx.net

**Bartos**, Dr Marlene, School of Medicine, Institut of Medical Sciences, Foresterhill, AB 24 3ZD, Aberdeen, United Kingdom, Tel.: +44 1224 559146, Email: m.bartos@abdn.ac.uk



**Bartussek**, Dipl.-Phys. Jan, Institut für Neuroinformatik, Uni/ETH Zürich, Winterthurerstr. 190, 8037, Zürich, Switzerland, Tel.: +41 44 6353066, Email: jan@ini.phys.ethz.ch

**Bastian**, Susanne, Department of Pediatric Neurology, University Hospital, Technical University Dresden, Fetscherstr. 74, 01307, Dresden, Tel.: +49 351 4586881, Email: susanne.bastian@uniklinikum-dresden.de

**Baumgart**, Sabrina, Cell Physiology, Ruhr-University Bochum, Universitätsstr.150, 44780, Bochum, Tel.: +49 234 3223529, Email: sabrina.baumgart@rub.de

**Bayer**, Dr. Thomas A., Molecular Psychiatry, University Medicine Göttingen, Von-Siebold-Straße 5, 37073, Göttingen, Tel.: +49 551 3922912, Email: tbayer@gwdg.de

**Bechstedt**, Dr. Susanne, Howard, MPI-CBG, Pfotenhauerstr. 108, 01307, Dresden, Tel.: +49 351 2102817, Email: bechsted@mpi-cbg.de

**Becker**, Hubertus G. T., Department of Cognitive Neurology, Hertie-Institute for Clinical Brain Research, Hoppe-Seyler-Str. 3, 72076, Tübingen, Tel.: +49 7071 2982060, Email: hubertus.becker@uni-tuebingen.de

**Becker**, Dr. Klaus, Bioelectronics, Vienna University of Technology, Floragasse 7, 1040, Vienna, Austria, Tel.: +43 1 427762807, Email: klaus.becker@meduniwien.ac.at

**Becker**, Dr. Catherina G., Centre for NeuroRegeneration, University of Edinburgh, Summerhall, EH9 1QH, Edinburgh, United Kingdom, Tel.: +44 131 6506105, Email: catherina.becker@ed.ac.uk

**Beckers**, Dipl.-Biol. Ulrich, Neurobiology, Bielefeld University, Postfach 100131, 33501, Bielefeld, Tel.: +49 521 1065746, Email: ubeckers1@uni-bielefeld.de

**Beed**, Prateep S., Neuroscience Research Centre, Charite Universitätsmedizin Berlin, Chariteplatz 1, 10117, Berlin, Tel.: +49 30 450639063, Email: prateep.beed@charite.de

**Behne**, Nicole, Special Lab Non-invasive brain imaging, Leibniz Institute for Neurobiology, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263124, Email: nbehne@ifn-magdeburg.de

**Behr**, Katharina, Abt. Neuroethologie, Prof. von der Emde, Universität Bonn, Institut für Zoologie, Endenicher Allee 11-13, 53115, Bonn, Tel.: +49 228 736159, Email: katharinabehr@gmx.net

**Behrens**, Dr. Christoph J., Institute for Neurophysiology, Johannes-Müller-Centre for Physiology, Tucholskystraße 2, 10117, Berlin, Tel.: +49 30 450528149, Email: christoph.behrens@charite.de

**Behrens**, Derik, Animal Physiology and Behavior Group, Oldenburg University, Carl-v-Ossietsky-Universität Oldenburg, Ammer, 26129, Oldenburg, Tel.: +49 441 9783342, Email: derikB@web.de

**Bembenek**, PhD Jadwiga, Department of Animal Physiology and Ecotoxicology, University of Silesia, Bankowa 9, 40-007, Katowice, Poland, Tel.: +48 32 3591196, Email: jadwigabembenek@yahoo.com

**Benali**, Dr. Alia, Department of Neurophysiology, Institute of Physiology, Universitätstr. 150, 44801, Bochum, Tel.: +49 234 322104, Email: alia@neurop.rub.de

**Benda**, Dr. Jan, Department Biologie II, LMU München, Großhaderner Str. 2, 82152, Planegg-Martinsried, Tel.: +49 89 218074137, Email: j.benda@biologie.hu-berlin.de

**Bendix**, Oliver, Nonlinear Dynamics, MPI for Dynamics and Self-Organization, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 5176431, Email: oliver@nld.ds.mpg.de

**Benninger**, Dr. Felix, Department of Physiology, Hebrew University-Hadassah School of Medicine, Jerusalem, Israel, P.O. Box: 12272, 91120, Jerusalem, Israel, Tel.: +972 5 26756300, Email: felixbenninger@gmail.com

**Benton**, Prof. Richard Roland, Center for Integrative Genomics, University of Lausanne, Genopode Building, 1015, Lausanne, Switzerland, Tel.: +41 21 6923932, Email: Richard.Benton@unil.ch

**Benzler**, Jonas, Neurobiologie/Ethologie, Philipps-Universität Marburg, Karl-von-Frisch-Str. 8, 35032, Marburg, Tel.: +49 6421 2826944, Email: jonas.benzler@gmx.de

**Beramendi**, Dr. Ana, Evolutionary Neuroethology, Max-Planck-Institute for Chemical Ecology, Hans-Knöll-Straße 8, 07745, Jena, Tel.: +49 3641 571452, Email: aberamendi@ice.mpg.de

**Berg**, Dipl.-Biol. Christian, Dept. of Zoology III- Neurobiology, Johannes-Gutenberg-University, Colonel-Kleinmann-Weg 2, 55099, Mainz, Tel.: +49 6131 27264, Email: Bergch@uni-mainz.de



**Berger**, Dr. Thomas, Institute of Physiology and Pathophysiology, University Mainz, Duesbergweg 6, 55128, Mainz, Tel.: +49 6131 3920179, Email: berger@uni-mainz.de

**Berger**, M.Sc. Denise Jennifer, AG Neuroinformatik, Institut for Biology, Königin-Luise-Straße 28/30, 14195, Berlin, Tel.: +49 30 83856635, Email: d\_berger@gmx.net

**Berkefeld**, Dr. Henrike, Department of Physiology, University of Freiburg, Engesserstr.4, 79108, Freiburg, Tel.: +49 761 2035143, Email: henrike.berkefeld@physiologie.uni-freiburg.de

**Berry II**, Prof. Michael J, Molecular Biology & Princeton Neuroscience Institute, Princeton University, Lewis Thomas Lab; Washington Road, 8544, Princeton, NJ, USA, Tel.: +1 609 2582683, Email: berry@princeton.edu

**Berthé**, Ruben, Department of Comparative Neurophysiology, University of Bonn, Poppelsdorfer Schloss, 53115, Bonn, Tel.: +49 228 735488, Email: berthe@uni-bonn.de

**Besold**, Tarek Richard, Mathematisches Institut / Lehrstuhl für Künstliche Intelligenz (Informatik 8), FAU Erlangen-Nürnberg, Fichtelberger Straße 9, 95682, Brand, Tel.: +49 176 41128681, Email: tarek.besold@web.de

**Besser**, PhD Manuela, Department of Cell Morphology and Molecular Neurobiology, Ruhr-University Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3224314, Email: Manuela.Besser@rub.de

**Bethge**, Philipp, Molecular Mechanism of Synaptic Plasticity, IfN Magdeburg, Fermersleber Weg 23, Zi 113, 39112, Magdeburg, Tel.: +49 391 6263204, Email: pbethge@gmx.de

**Bethge**, Dr. Matthias, Computational Vision and Neuroscience Group, MPI for Biological Cybernetics, Spemannstr. 41, 72076, Tübingen, Tel.: +49 7071 6011770, Email: mbethge@Tübingen.mpg.de

**Betz**, Dr. Timo, UMR CNRS 168, Institut Curie, 11, Rue Pierre et Marie Curie, 75248, Paris cedex 05, France, Tel.: +331 56 246786, Email: timo.betz@curie.fr

**Bhattacharya**, PhD Anirban, Department of Cellular and Molecular Neuroendocrinology, Institute of Physiology Academy of Sciences of the Czech Republic, Videnska 1083, 142 20, Prague 4, Czech Republic, Tel.: +42 24106 2574, Email: abhattach@biomed.cas.cz

**Biber**, Dipl.-Biol. Ulrich, Cognitive Neurology, Hertie-Institute for Clinical Brain Research, Otfried-Müller-Str. 27, 72076, Tübingen, Tel.: +49 7071 2980432, Email: ulrich.biber@student.uni-Tübingen.de

**Biber**, PhD Knut, Neurosciences, Medical Physiology Section, University Medical Center Groningen, Ant. Deusinglaan 1, 9713AV, Groningen, Netherlands, Tel.: +31 50 3632706, Email: k.p.h.biber@med.umcg.nl

**Bickmeyer**, Ulf, Helgological Chemistry, AWI Helgoland, Kurpromenade 201, 27498, Helgoland, Tel.: +49 4725 8193224, Email: Ulf.Bickmeyer@awi.de

**Binder**, Ellen, Neurochemistry, Max Planck Institute for Brain Research, Deutschordenstraße 46, 60528, Frankfurt/Main, Tel.: +49 69 96769445, Email: binder@mpih-frankfurt.mpg.de

**Birbaumer**, Prof.Dr. Niels, Inst. für Med.Psychologie u. Verhaltensbiologie, Universität Tübingen, Med. Fakultät, Gartenstraße 29, 72074, Tübingen, Tel.: +49 7071 297 4219, Email: niels.birbaumer@uni-Tübingen.de

**Bisch-Knaden**, Dr. Sonja, Evolutionary Neuroethology, Max-Planck Institute for Chemical Ecology, Hans-Knöll-Straße 8, 07745, Jena, Tel.: +49 3641 571422, Email: sbisch-knaden@ice.mpg.de

**Bischof**, Prof. Dr. Hans-Joachim, Neuroethology, University of Bielefeld, POB 100131, 33501, Bielefeld, Tel.: +49 521 1062712, Email: bischof@uni-bielefeld.de

**Bittner**, Stefan, Department of Neurology, University of Würzburg, Josef-Schneider-Str. 9, 97080, Würzburg, Tel.: +49 931 3046599, Email: stefan-bittner@gmx.de

**Blaser**, M.Sc. Cornelia, Experimental Neuroinfectiology, Institute for Infectious Disease, Friedbühlstraße 51, 3010, Bern, Switzerland, Tel.: +41 31 6323567, Email: cornelia.blaser@ifik.unibe.ch

**Bleckmann**, Dr. Horst, Sinnes- und Neurobiologie, Institut für Zoologie, Poppelsdorfer Schloss, 53115, Bonn, Tel.: +49 228 735453, Email: Bleckmann@uni-bonn.de

**Blenau**, Dr. Wolfgang, Department of Animal Physiology, University of Potsdam, Karl-Liebknecht-Str. 24-25, Haus 26, 14476, Potsdam-Golm, Tel.: +49 331 9775524, Email: blenau@uni-potsdam.de

**Blesch**, PhD Armin, Neurosciences, University of California, San Diego, 9500 Gilman Dr., 92093-0626, La Jolla, USA, Tel.: +1 858 8220051, Email: ablesch@ucsd.edu

**Bloch**, Alice, Genetics and Neurobiology, University of Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 931 8884477, Email: alice.bloch@gmx.de

**Blum**, Dr. Robert, Institute of Physiology, Department of Physiological Genomics, Ludwig-Maximilians-University, Pettenkoferstr. 12, 80336, München, Tel.: +49 89 218075588, Email: Robert.Blum@LMU.de

**Bock**, Dr. Jörg, Institute of Biology, Otto-von-Guericke-University Magdeburg, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6755005, Email: joerg.bock@ovgu.de

**Bock**, Dr. Hans H., Zentrum für Neurowissenschaften, Universität Freiburg, Albertstraße 23, 79104, Freiburg, Tel.: +49 761 2038421, Email: hans.bock@zfn.uni-freiburg.de

**Bock**, Nathalie, Child and Adolescent Psychiatry, University, Von-Siebold-Straße 5, 37075, Göttingen, Tel.: +49 551 394961, Email: nbock@gwdg.de

**Böddeker**, Dr. Norbert, Neurobiology & Center of Excellence 'Cognitive Interaction Technology', Bielefeld University, Postfach 100131, 33501, Bielefeld, Tel.: +49 521 1065575, Email: norbert.boeddeker@uni-bielefeld.de

**Böger**, Nicole, Cell Biology, University of Veterinary Medicine Hannover, Bischofsholer Damm 15, 30173, Hannover, Tel.: +49 511 8567768, Email: nicole.boeger@tiho-hannover.de

**Böhm**, Claudia, BCCN Freiburg, Albert-Ludwigs-Universität Freiburg, Hansastr. 9A, 79104, Freiburg, Tel.: +49 761 6404713, Email: boehm@bccn.uni-freiburg.de

**Boehm**, Anna, Biology-Animal physiology, Philipps-University Marburg, Karl-von-Frisch-Str. 8, 35032, Marburg, Tel.: +49 6421 2823405, Email: anna.boehm1307@gmx.de

**Bömmel**, Dr. Heike, Institute of Anatomy and Cell Biology, University of Würzburg, Koellikerstr. 6, 97070, Würzburg, Tel.: +49 931 312706, Email: heike.boemmel@mail.uni-Wuerzburg.de

**Bogusch**, Elisabeth, Neurobiologie, FU Berlin, Königin-Luise-Straße 28-30, 14195, Berlin, Tel.: +49 30 83856598, Email: lisabogusch@yahoo.com

**Bolte**, Petra, Department of Neurobiology, University Oldenburg, Carl-von-Ossietzky-Straße 9-11, 26111, Oldenburg, Tel.: +49 441 7983736, Email: PetraBolte@email.de

**Bongard**, Sylvia, Animal Physiology, Institute of Zoology, Auf der Morgenstelle 28, 72076, Tübingen, Tel.: +49 7071 2981935, Email: sylvia.bongard@medizin.uni-Tuebingen.de

**Bonn**, Maria Roswitha, Department of Anatomy II, University of Würzburg, Institute of Anatomy and Cell Biology, Koellikerstr. 6, 97070, Würzburg, Tel.: +49 931 3533756, Email: maria.bonn@uni-Würzburg.de

**Borgmann**, Dr. Anke, Institute of Zoology, University of Cologne, Weyertal 119, 50939, Köln, Tel.: +49 221 4703133, Email: anke.borgmann@uni-koeln.de

**Bormuth**, Ingo, Neurogenetics Department, Max-Planck-Institut of Experimental Medicine, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 551 3899772, Email: bormuth@em.mpg.de

**Boros**, Akos, General Zoology, University of Pecs, Ifjúság útja 6., 7604, Pecs, Hungary, Tel.: +36 72 503634, Email: borosakos@gmail.com

**Bosse**, Dr. Frank, Department of Neurology, Heinrich-Heine-University of Düsseldorf, Molecular Neurobiology Laboratory, Moorenstraße 5, 40225, Düsseldorf, Tel.: +49 211 8118984, Email: bosse@uni-duesseldorf.de

**Boström**, Dr. Kim Joris, Psychology, University of Münster, Fliegerstr. 21, 48149, Münster, Tel.: +49 251 1491496, Email: box@kim-bostroem.de

**Both**, Dr. Martin, Institut für Physiologie und Pathophysiologie, Universität Heidelberg, Im Neuenheimer Feld 326, 69120, Heidelberg, Tel.: +49 6221 544139, Email: mboth@physiologie.uni-heidelberg.de

**Boucsein**, Dr. Clemens, Institute of Biology, University of Freiburg, Schanzlestraße 1, 79104, Freiburg, Tel.: +49 761 2032862, Email: clemens.boucsein@biologie.uni-freiburg.de

**Bowe**, Andrea, Department of Neurosurgery, Medical University, MHH, Carl-Neuberg-Str. 1, 30625, Hannover, Tel.: +49 511 5328931, Email: andreabowe@gmx.de



**Boyan**, PhD George Stephen, Developmental Neurobiology, Biocenter, University of Munich, Großhaderner Str. 2, 82152, Martinsried, Tel.: +49 89 218074305, Email: george.boyan@lmu.de

**Brachmann**, Isabel, Department of Anatomy and Cell Biology, AG Tucker, University of Heidelberg, Interdisciplinary Center for Neurosciences, Im Neuenheimer Feld 307, 69120, Heidelberg, Tel.: +49 6221 548670, Email: brachmann@ana.uni-heidelberg.de

**Bradley**, Sophie Ann, Biology, University of Leicester, 1 University Road, LE1 7RH, Leicester, United Kingdom, Tel.: +44 116 2522900, Email: sb335@le.ac.uk

**Braünig**, Prof. Dr. Peter, Institut Biologie II, RWTH Aachen, Kopernikusstraße 16, 52074, Aachen, Tel.: +49 241 8023848, Email: braeunig@bio2.rwth-aachen.de

**Brand**, Theresa, Psychopharmakologie, Zentralinstitut für Seelische Gesundheit, J 5, 68159, Mannheim, Tel.: +49 621 17036263, Email: Theresa.Brand@zi-mannheim.de

**Brandstätter**, Prof. Dr. Johann Helmut, Department of Biology, Animal Physiology, University of Erlangen-Nürnberg, Staudtstr. 5, 91058, Erlangen, Tel.: +49 9131 8528054, Email: jbrandst@biologie.uni-erlangen.de

**Brandstaetter**, Andreas Simon, Zoologie II, University of Würzburg, Biozentrum, Am Hubland, 97074, Würzburg, Tel.: +49 931 8884321, Email: brandstaetter@biozentrum.uni-wuerzburg.de

**Brandt**, Prof. Roland, Department of Neurobiology, University of Osnabrück, Barbarastraße 11, 49076, Osnabrück, Tel.: +49 541 9692338, Email: brandt@biologie.uni-osnabrueck.de

**Brandt**, Niels, Institute of Physiology II and Tübingen Hearing Research Center (THRC), University of Tübingen, Elfriede-Aulhorn-Straße 5, 72072, Tübingen, Tel.: +49 7071 2988202, Email: niels.brandt@gmx.de

**Braun**, Prof. Dr. Anna Katharina, Zoology and Developmental Neurobiology, Institute of Biology, Leipziger Str 44, 39120, Magdeburg, Tel.: +49 391 6755001, Email: katharina.braun@ovgu.de

**Braun**, Dr. Elke, Department of Neurobiology, Bielefeld University, 100131, 33501, Bielefeld, Tel.: +49 521 1065576, Email: elke.braun@uni-bielefeld.de

**Bray**, Dr. Dennis, Physiology, Development, and Neuroscience, University of Cambridge, Downing Street, CB2 3DY, Cambridge, United Kingdom, Tel.: +44 1223 333771, Email: db10009@cam.ac.uk

**Bredendiek**, Dipl.-Biol. Nico, Department of Cellphysiology, Ruhr-University Bochum, Universitätsstraße 150 ND4/174, 44780, Bochum, Tel.: +49 160 2045414, Email: nico.bredendiek@gmx.de

**Breß**, Andreas, Molecular Genetics, Department of Human Genetics, UNUniversity of Tübingen, Elfriede-Aulhorn-Str. 5, 72076, Tübingen, Tel.: +49 7071 88189, Email: andreasbress@gmx.de

**Breuer**, Dr. Peter, Department of Neurology, University of Bonn, Sigmund-Freud-Str. 25, 53127, Bonn, Tel.: +49 228 28719882, Email: peter.breuer@ukb.uni-bonn.de

**Breunig**, Esther, Department of Neurophysiology and Cellular Biophysics, Institute of Physiology, Medical School Göttingen, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 395937, Email: ebreuni@gwdg.de

**Breuninger**, M.Sc. Tobias, Department of Biomedical Optics; Dendritic Processing in the Retina, Max-Planck-Institute for Medical Research, Heidelberg, Jahnstraße 29, 69120, Heidelberg, Tel.: +49 6221 486409, Email: Tobias.Breuninger@mpimf-heidelberg.mpg.de

**Brill**, Martin F., Dept. of Behavioral Physiology and Sociobiology, Biozentrum, Uni Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 931 8884314, Email: martin.brill@biozentrum.uni-wuerzburg.de

**Brodmann**, Katja, Institute of cognitive Neuroscience, Department of Biopsychology, Ruhr-University, Universitätsstraße 150, 44780, Bochum, Tel.: +49 234 3226804, Email: Katja.Brodmann@rub.de

**Brosda**, Jan, Dept. of Neuropharmacology, University of Bremen, Brain Research Institute, Hochschulring 18 (Cognium), 28359, Bremen, Tel.: +49 421 21862978, Email: brosda@gmx.de

**Brose**, Heiko, Institute of Physiology, University of Hohenheim, Garbenstraße 30, 70599, Stuttgart, Tel.: +49 711 45922270, Email: hbrose@uni-hohenheim.de

**Bruehl**, Dr. Claus, Inst. for Physiology, Ruprecht-Karls-University, Im Neuenheimer Feld 326, 69120, Heidelberg, Tel.: +49 6221 544139, Email: claus.bruehl@urz.uni-heidelberg.de

**Brunne**, Bianka, Zentrum für Neurowissenschaften, Universität Freiburg, Albertstr. 23, 79104, Freiburg, Tel.: +49 761 2038421, Email: hans.bock@zfn.uni-freiburg.de

**Brusius**, Janis Sebastian, Abt. Animal Physiology / AG Stengl, Universität Kassel FB18, Heinrich-Plett-Str. 40, 34132, Kassel, Tel.: +49 561 8044220, Email: brusius@students.uni-marburg.de

**Bucher**, JProf Dr. Gregor, Blumenbach Institut of Zoology and Anthropology, Georg-August-Universität Göttingen, Justus-von-Liebig-Weg 11, 37077, Göttingen, Tel.: +49 551 395426, Email: gbucher1@uni-göttingen.de

**Budde**, Prof. Dr. Thomas, Institut für Physiologie I, Westfälische Wilhelms-Universität, Robert-Koch-Str. 27a, 48149, Münster, Tel.: +49 251 8355531, Email: tbudde@uni-muenster.de

**Bueé**, PhD Luc, Inserm U837, University of Lille, Place de Verdun, 59045, Lille, France, Tel.: +331 320 298866, Email: luc.buee@inserm.fr

**Buerbank**, Dipl.-Mol.Med Stefanie, Dept. of Otorhinolaryngology, University of Erlangen-Nürnberg, Waldstr. 1, 91054, Erlangen, Tel.: +49 9131 8534773, Email: stefanie.buerbank@uk-erlangen.de

**Büschges**, Dr.rer.nat Ansgar, Animal Physiology, Zoological Institute, Weyertal 119, 50931, Köln, Tel.: +49 221 4702607, Email: Ansgar.Bueschges@uni-koeln.de

**Buettner**, Nicole, Anatomy/Neuroanatomy, Georg-August-University, Kreuzbergring 40, 37075, Göttingen, Tel.: +49 551 397072, Email: n.buettner@gmx.de

**Buffo**, PhD Annalisa, Dept. of Neuroscience, University of Turin, Corso Raffaello 30, 10125, Turin, Italy, Tel.: +39 11 6708171, Email: annalisa.buffo@unito.it

**Buhl**, Edgar, Institut für Biologie II, Universität Leipzig, Talstraße 33, 04103, Leipzig, Tel.: +49 341 9736762, Email: buhl@uni-leipzig.de

**Bullmann**, Torsten, Molecular and Cellular Mechanisms of Neurodegeneration, Paul-Flechsig-Institute for Brain Research, Jahnallee 59, 04109, Leipzig, Tel.: +49 341 9725755, Email: bullmann@rz.uni-leipzig.de

**Burry**, Maria-Isabell, Institute of Physiology, University of Hohenheim, Garbenstraße 30, 70599, Stuttgart, Tel.: +49 711 45922267, Email: isaburry@uni-hohenheim.de

**Busse**, Claudia, Fakultät für Biologie und Biotechnologie, Ruhruniversität Bochum, Querenburgerstr. 62, 44789, Bochum, Tel.: +49 234 4383611, Email: Claudia.Busse@rub.de

**Bußhardt**, Philipp, Institute of Neurobiology, University of Ulm, König-Wilhelm-Straße 23, 89073, Ulm, Tel.: +49 731 5022643, Email: philipp.busshardt@web.de

**Busti**, M.Sc. Daniela, Department of Pharmacology, Innsbruck Medical University, Peter-Mayer-Str. 1a, 6020, Innsbruck, Austria, Tel.: +43 512 900371207, Email: daniela.busti@i-med.ac.at

**Butz**, Dr. Markus, Bernstein Center for Computational Neuroscience, University Göttingen, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 5176508, Email: mbutz@bccn-Goettingen.de

## C

**Calas**, Dr. Delphine, Department of Biology, University of Leicester, University Road, LE1 7RH, Leicester, United Kingdom, Tel.: +44 116 2523349, Email: dc153@le.ac.uk

**Call**, Dipl. Biol. Simon, Institut für Physiologie I, Westfälische Wilhelms-Universität, Robert-Koch-Str. 27a, 48149, Münster, Tel.: +49 251 1341070, Email: simoncall@web.de

**Cambridge**, Dr. Sidney, Interdisciplinary Center for Neurosciences, Raum 420, University of Heidelberg, Im Neuenheimer Feld 307, 69120, Heidelberg, Tel.: +49 6221 548687, Email: cambridge@ana.uni-heidelberg.de

**Cappelle**, Tessa, Neuroethology, University of Bielefeld, Morgenbreede, 33615, Bielefeld, Tel.: +49 521 1062712, Email: tessa\_c@arcor.de

**Carcaud**, Julie, Research center for animal cognition, CNRS / Université Paul Sabatier, 118 route de Narbonne, 31062, Toulouse cedex 09, France, Tel.: +331 +335 0609333, Email: carcaud@cict.fr

**Cardanobile**, Dr. Stefano, BCCN Freiburg, Albert-Ludwigs-Universität Freiburg, Hansastraße 9/a, 79104, Freiburg, Tel.: +49 761 2039503, Email: cardanobile@bccn.uni-freiburg.de



**Cerquera**, M.Sc. Alexander, AG Theoretische Physik/Komplexe Systeme, Carl-von-Ossietzky-University of Oldenburg, ICBM W 15-1-145. Postfach 2503. Carl-von-Ossi, 26111, Oldenburg, Tel.: +49 175 6105724, Email: cerquera@icbm.uni-oldenburg.de

**Chaffiol**, Dr. Antoine, UMR 1272 Physiologie de l'Insecte, INRA, Route de Saint-Cyr, 78000, Versailles, France, Tel.: +331 30 833112, Email: achaffiol@versailles.inra.fr

**Chagnaud**, Dr. Boris P, Neurobiology & Behavior, Cornell University, W233 Seeley G. Mudd Hall, 14853, Ithaca, USA, Tel.: +1 607 2620103, Email: B.Chagnaud@cornell.edu

**Chai**, Dr. Xuejun, Institut für Anatomie und Zellbiologie, Albert-Ludwigs-Universität Freiburg, Albertstr. 17, 79110, Freiburg, Tel.: +49 761 2039526, Email: xuejun.chai@anat.uni-freiburg.de

**Chaieb**, Leila, Department of Clinical Neurophysiology, Georg-August-University Göttingen, Robert-Koch-Straße 40, 37075, Göttingen, Tel.: +49 551 3912310, Email: Leila.chaieb@med.uni-goettingen.de

**Chakrabarty**, M.Sc. Arnab, Cellular and Systems Neurobiology, MPI of Neurobiology, Am Klopferspitz 18, Martinsried, 82152, München, Tel.: +49 89 85783683, Email: arnab@neuro.mpg.de

**Chapochnikov**, Nikolai Mikhailovich, Department of Nonlinear Dynamics, Max-Planck-Institute for Dynamics and Self-Organization, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 398970, Email: nikolai@nld.ds.mpg.de

**Chen**, Susu, Department of System and Computational Neurobiology, Max-Planck-Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783286, Email: esthersselva@neuro.mpg.de

**Chen**, PhD Yi-chun, Lehrstuhl für Genetik und Neurobiologie, Theodor-Boveri-Institut, Biozentrum am Hubland, 97074, Würzburg, Tel.: +49 931 8884483, Email: Chen.Yi-chun@biozentrum.uni-wuerzburg.de

**Cheung**, Angela, School of Biological Sciences, University of Southampton, Bassett Crescent East, SO16 7PX, Southampton, United Kingdom, Tel.: +44 2380 252750, Email: ac1004@soton.ac.uk

**Christensen**, M.Sc. Ditte Zerlang, Department of Psychiatry, Division of Molecular Psychiatry, University of Göttingen, Von-Siebold-Str. 5, 37075, Göttingen, Tel.: +49 551 396934, Email: dittezc@gmail.com

**Christensen**, Andrea, Cognitive Neurology, Section Neuropsychology, Hertie-Institute for Clinical Brain Research, Tübingen, Hoppe-Seyler-Straße 3, 72076, Tübingen, Tel.: +49 7071 2989125, Email: andrea.christensen@klinikum.uni-tuebingen.de

**Clare**, Dr. Anthony Joseph, Department of Biology, University of Leicester, University Road, LE1 7RH, Leicester, United Kingdom, Tel.: +44 114 2523349, Email: ajc62@le.ac.uk

**Clemens**, Jan, Biology, Behavioural Physiology group, Humboldt Universität zu Berlin, Invalidenstr. 43, 10999, Berlin, Tel.: +49 30 20938777, Email: clemensjan@googlemail.com

**Colovic**, Corinna, Developmental Neurobiology, Ruhr-University Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3224344, Email: corinna.colovic@rub.de

**Cooper**, PhD Benjamin. H., Dept. Molecular Neurobiology, Max-Planck-Institute für Experimentelle Medizin, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 551 3899688, Email: cooper@em.mpg.de

**Cordeiro**, Karina Kohn, Dept. of Stereotactic Neurosurgery, University Hospital Freiburg - Neurocentre, Breisacher Str. 64, 79106, Freiburg, Tel.: +49 152 05619893, Email: karina\_kohn@hotmail.com

**Cotel**, M.Sc. Marie-Caroline, Molecular Psychiatry, Georg-August-University, Von-Siebold-Strasse 5, 37075, Göttingen, Tel.: +49 551 396934, Email: mcotel@gwdg.de

**Couchman**, Kiri Anne, Division of Neurobiology, Biocentre of the Ludwig Maximilians University, Graduate School of Systemic Neurosciences, Ludwig-Maximilians-University, München, Großhaderner Straße 2, Planegg-Martinsried, 82152, München, Tel.: +49 89 218074369, Email: couchman@bio.lmu.de

**Coulon**, Dr. Philippe, Institut für Physiologie I, Westfälische Wilhelms-Universität Münster, Universitätsklinikum Münster, Robert-Koch-Str. 27a, 48149, Münster, Tel.: +49 251 8358112, Email: coulou@uni-muenster.de

**Couton**, Dr. Louise, UMR 1272, INRA, Route de St Cyr, 78000, Versailles, France, Tel.: +331 1 30833545, Email: louisecouton@yahoo.fr

**Cremer**, Dr. Harold, Molecular Control of Neurogenesis, Developmental Biology Institute of Marseille, Campus de Luminy, 13288, Marseille, France, Tel.: +331 4 91269772, Email: cremer@ibdm.univ-mrs.fr

**Csicsvari**, Dr. Jozsef Laszlo, University of Oxford, MRC Anatomical Neuropharmacology Unit, Mansfield Road, OX1 3TH, Oxford, United Kingdom, Tel.: +44 1865 281130, Email: jozsef.csicsvari@pharm.ox.ac.uk

**Culman**, Dr. Juraj, Institute of Pharmacology, University Hospital of Schleswig-Holstein, Campus Kiel, Hospitalstraße 4, 24105, Kiel, Tel.: +49 431 5973519, Email: juraj.culman@pharmakologie.uni-kiel.de

**Czeh**, PhD Boldizsar, Clinical Neurobiology Laboratory, German Primate Center, Leibniz Institute for Primate Research, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851134, Email: bczeh@cni-dpz.de

**Czesnik**, Dr. med. Dirk, Department of Neurophysiology and Cellular Biophysics, Institute of Physiology, Medical School Göttingen, Humboldtallee 23, 37075, Göttingen, Tel.: +49 551 395937, Email: dczesni@gwdg.de

**Czopka**, Tim, Cell Morphology and Molecular Neurobiology, Ruhr-University, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3224312, Email: Tim.Czopka@Ruhr-Uni-Bochum.de

## D

**Dahm**, Liane Valerie, Neuroanatomy, Center of Anatomy, Kreuzbergerring 36, 37075, Göttingen, Tel.: +49 551 397057, Email: liane.dahm@gmx.de

**Daliri**, Dr. Mohammad Reza, Cognitive Neuroscience Lab., German Primate Center, Kellnerweg 2-4, 37077, Göttingen, Tel.: +49 551 3851342, Email: mdaliri@gwdg.de

**Dallenga**, Tobias, Neuropathology, University Medical Center, Robert-Koch-Straße 40, 37099, Göttingen, Tel.: +49 551 398467, Email: tobias.dallenga@med.uni-goettingen.de

**Daniel**, Julia, Institute of Physiology, Otto-von-Guericke-University, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6715811, Email: julia.daniel@med.ovgu.de

**Danielisova**, PhD Viera, Neurochemistry, Institute of Neurobiology, Soltesovej 4-6, 040 01, Kosice, Slovakia, Tel.: +42 55 6705074, Email: danielis@saske.sk

**Dash-Wagh**, Suvarna, Developmental neurobiology, Ruhr-University, ND6/54, Universitätsstraße 150, 44780, Bochum, Tel.: +49 234 3224346, Email: suvarna.wagh@rub.de

**Daur**, Nelly, Institute of Neurobiology, Ulm University, Albert-Einstein-Allee 11, 89069, Ulm, Tel.: +49 731 5022647, Email: nelly@neurobiologie.de

**David**, Dr. Marianne, Institute for Neuroinformatics, Neural Plasticity Lab, Ruhr-University Bochum, Universitätsstr. 150, 44801, Bochum, Tel.: +49 234 3224201, Email: Marianne.David@neuroinformatik.ruhr-uni-bochum.de

**De Col**, Dr. med. Roberto, Institut für Physiologie und Pathophysiologie, Friedrich-Alexander-Universität Erlangen-Nürnberg, Universitätsstrasse 17, 91054, Erlangen, Tel.: +49 9131 856995, Email: decol@physiologie1.uni-erlangen.de

**de Lima**, Dr. Ana D., Institut für Physiologie, Otto von Guericke Univ. Medizinische Fakultät, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 +391 6713629, Email: ana.deLima@med.ovgu.de

**de Monasterio-Schrader**, Patricia, Neurogenetics, MPI of Experimental Medicine, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 551 3899741, Email: monasterio@em.mpg.de

**Dedek**, Dr. Karin, Neurobiology, University of Oldenburg, Carl-von-Ossietzky-Str. 9-11, 26129, Oldenburg, Tel.: +49 441 7983425, Email: karin.dedek@uni-oldenburg.de

**Deger**, Moritz, Bernstein Center for Computational Neuroscience, Albert-Ludwigs-Universität Freiburg, Hansastr. 9A, 79104, Freiburg, Tel.: +49 761 2039503, Email: moritzdeger@gmail.com

**Deitmer**, Joachim W., Allgemeine Zoologie, TU Kaiserslautern, P.B. 3049, 67653, Kaiserslautern, Tel.: +49 631 2052877, Email: deitmer@biologie.uni-kl.de



**Deliano**, Dr. rer .nat. Matthias, Neuroprosthesis Research Group, Leibniz Institute for Neurobiology, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263323, Email: matthias.deliano@ifn-magdeburg.de

**Dellen**, PhD Babette Karla Margar, Bernstein-Center for Computational Neuroscience Göttingen, Max-Planck-Institut for Dynamics and Selforganization, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 173 3903983, Email: bkdellen@bccn-Goettingen.de

**Demmer**, Heike, Institute of Zoology/Physiology, University of Cologne, Weyertal 119, 50931, Köln, Tel.: +49 221 4705828, Email: hdemmer@uni-koeln.de

**Demuth**, Prof. Dr. Hans-Ulrich, Biocenter, Probiobdrug AG, Weinbergweg 22, 06120, Halle (Saale), Tel.: +49 345 5559900, Email: hans-ulrich.demuth@probiobdrug.de

**Deng**, Ying, Cell Physiology, Ruhr-University-Bochum, Universitätsstraße 150, 44801, Bochum, Tel.: +49 234 3228104, Email: ying.deng@rub.de

**Denker**, Michael, Theoretical Neuroscience Group, RIKEN Brain Science Institute, 2-1 Hirosawa, 351-0198, Wako-Shi, Japan, Tel.: +81 48 4679644, Email: mdenker@brain.riken.jp

**Denter**, Denise Gabrielle, Institute of Physiology and Pathophysiology, Johannes-Gutenberg-University of Mainz, Duesbergweg 6, 55128, Mainz, Tel.: +49 6131 3926410, Email: denter@uni-mainz.de

**Depboylu**, Dr. med. Candan, Department of Neurology, Philipps-University, Rudolph-Bultmann-Str. 8, 35039, Marburg, Tel.: +49 6421 5865200, Email: depboylu@med.uni-marburg.de

**Detting**, Juliane, Molekulare Neurobiologie, THRC, Uni Tübingen, Elfriede-Aulhorn-Straße 5, 72076, Tübingen, Tel.: +49 7071 2988242, Email: Juliane.Detting@gmx.de

**Dewhirst**, Oliver Paul, ISVR, University of Southampton, Southampton, SO17 1BJ, Southampton, United Kingdom, Tel.: +44 1425 674216, Email: od@isvr.soton.ac.uk

**Dibaj**, Payam, Department of neurology, University of Göttingen, Robert-Koch-Str. 40, 37075, Göttingen, Tel.: +49 551 3912581, Email: p\_dibaj@yahoo.com

**Diehl**, Florian Michael, Institute of Neurobiology, Ulm University, Albert-Einstein-Allee 11, 89069, Ulm, Tel.: +49 731 5022644, Email: florian@neurobiologie.de

**Diesmann**, Dr. Markus, Theoretical Neuroscience Group, RIKEN Brain Science Institute, 2-1 Hirosawa, 351-0198, Wako City, Japan, Tel.: +81 48 4679644, Email: diesmann@brain.riken.jp

**Diestel**, Dr. Simone, Institute of Animal Sciences, Dept. Biochemistry, University of Bonn, Katzenburgweg 9a, 53115, Bonn, Tel.: +49 228 732818, Email: s.diestel@uni-bonn.de

**Dietz**, PhD Gunnar Paul Harald, Molecular Neurobiology, H. Lundbeck A/S, Ottiliavej 9, 2500, Valby, Denmark, Tel.: +45 36 33333, Email: gdietz@gwdg.de

**Dippacher**, Sonja, Institut für Anatomie und Zellbiologie, Universität Würzburg, Koellikerstr. 6, 97070, Würzburg, Tel.: +49 177 6027187, Email: Sonja.Dippacher@web.de

**Dirnagl**, Prof. Dr. Ulrich, Neurologische Klinik, Charité, Schumannstr. 20/21, 10098, Berlin, Tel.: +49 30 45056 0134, Email: ulrich.dirnagl@charite.de

**Dittmar**, Laura, Department of Neurobiology, Bielefeld University, P.O. Box 100131, 33501, Bielefeld, Tel.: +49 521 1065737, Email: laura.dittmar@uni-bielefeld.de

**Dityatev**, PhD Alexander, Department of Neuroscience and Brain Technologies, Italian Institute of Technology, Via Morego 30, 16163, Genova, Italy, Tel.: +39 10 71781515, Email: alexander.dityatev@iit.it

**Dlugaiczky**, Dr. med. Julia, Dept. of Otorhinolaryngology, Head and Neck Surgery, University Hospital Erlangen, Waldstraße 1, 91054, Erlangen, Tel.: +49 9131 8534776, Email: julia.dlugaiczky@uk-erlangen.de

**Do**, Thuy Duong, molekulare Grundlagen der Neurobiologie der Studienstiftung des Deutschen Volkes, LMU, St.Veitstraße 6, 81673, München, Tel.: +49 89 23522389, Email: thuy.do@campus.lmu.de

**Dobler**, Tina Melanie, Department II, Institute of Physiology, Röntgenring 9, 97070, Würzburg, Tel.: +49 931 312726, Email: tina.dobler@mail.uni-Wuerzburg.de



**Döbrössy**, PhD Máté Dániel, Stereotactic Functional Neurosurgery, University Hospital Freiburg, Breisacher Str. 64, 79106, Freiburg, Tel.: +49 761 2705036, Email: mate.dobrossy@uniklinik-freiburg.de

**Doengi**, PhD Michael, Institut für Physiologie I, Universitätsklinikum Münster, Robert-Koch-Str. 27a, 48149, Münster, Tel.: +49 251 8355533, Email: m.doengi@uni-muenster.de

**Dohm**, Dr. med. Christoph Peter, Abteilung Neurologie, Universitätsmedizin Göttingen, Robert-Koch-Str. 40, 37075, Göttingen, Tel.: +49 551 396603, Email: cdohm@gwdg.de

**Dohmen**, Dr. Christian, Neurologie, Max-Planck-Institut für neurologische Forschung; Department of Neurology, Univer, Gleuelerstr. 50, 50931, Köln, Tel.: +49 221 47260, Email: chris@nf.mpg.de

**Dorm**, Anja Luise, Institute of Neurobiology, University of Ulm, Albert-Einstein-Allee 11, 89081, Ulm, Tel.: +49 731 5022632, Email: anja.dorm@uni-ulm.de

**Draguhn**, Prof. Andreas, Institut für Physiologie, University of Heidelberg, Im Neuenheimer Feld 326, 69120, Heidelberg, Tel.: +49 6221 544056, Email: andreas.draguhn@physiologie.uni-heidelberg.de

**Dreier**, Prof. Dr. Jens P., Center for Stroke Research Berlin, Charité University Medicine Berlin, Charitéplatz 1, 10117, Berlin, Tel.: +49 30 450660024, Email: jens.dreier@charite.de

**Dresbach**, Dr. Thomas, Institut für Anatomie und Zellbiologie, Universität Heidelberg, Im Neuenheimer Feld 307, 69120, Heidelberg, Tel.: +49 6221 548659, Email: thomas.dresbach@urz.uni-hd.de

**Dresler**, Martin, Sleep Research, Max-Planck-Institute of Psychiatry, Krapelinstr. 2-10, 80804, München, Tel.: +49 89 30622386, Email: dresler@mpipsykl.mpg.de

**Dublin**, Pavel, Institute of Cellular Neurosciences, Bonn University, Sigmund-Freud-Straße, 53105, Bonn, Tel.: +49 228 28714570, Email: dublin.pavel@gmail.com

**Dürr**, Dr. Volker, Zoological Institute, University of Cologne, Weyertal 119, 50931, Köln, Tel.: +49 221 4703829, Email: volker.duerr@uni-koeln.de

**Düsterhus**, PhD Denise, Department of Biological Cybernetics, University of Bielefeld, PO Box 100131, 33501, Bielefeld, Tel.: +49 521 1065529, Email: denise.duesterhus@uni-bielefeld.de

**Dugladze**, Dr. Tamar, Institute of Neurophysiology, Charité, Tucholskystr. 2, 10117, Berlin, Tel.: +49 30 450528214, Email: tamar.dugladze@charite.de

**Duncker**, Susanne V., Institute of Pharmacy, Department of Pharmacology & Toxicology, University Tübingen, Auf der Morgenstelle, 72076, Tübingen, Tel.: +49 7071 2988268, Email: susanne.duncker@googlemail.com

## E

**Eberhard**, Mag. Monika J. B., Department of Evolutionary Biology, University of Vienna, Althanstraße 14, 1090, Vienna, Austria, Tel.: +43 1 427754498, Email: Monika.Eberhard@univie.ac.at

**Ebert**, Dr. Sandra, Department of Neurology, Georg-August-University Göttingen, Robert-Koch-Str. 40, 37075, Göttingen, Tel.: +49 551 396689, Email: sebert1@gwdg.de

**Eckart**, Dipl.-Psych. Moritz Thede, Psychologie, Philipps-Universität-Marburg, Gutenbergstr. 18, 35037, Marburg, Tel.: +49 6421 2823678, Email: eckart@staff.uni-marburg.de

**Eckert**, Michaela Brigitte, Department of Physiology, University of Würzburg, Röntgenring 9, 97070, Würzburg, Tel.: +49 931 312726, Email: eckertmichaela@gmx.de

**Eckhoff**, Birthe-Christine, Institute of Anatomy, Medical Faculty/University of Rostock, Gertrudenstraße 9, 18057, Rostock, Tel.: +49 381 4948439, Email: b.eckhoff@gmx.net

**Eckmeier**, Dennis, Verhaltensforschung, Abtl. Neuroethologie, Universität Bielefeld, Postfach 100131, 33501, Bielefeld, Tel.: +49 521 1062707, Email: dennis.eckmeier@uni-bielefeld.de



**Edelmann**, Dr. Elke, Institute of Physiology, Otto-von-Guericke University Magdeburg, Leipziger Straße 44, 39120, Magdeburg, Tel.: +49 391 6713687, Email: elke.edelmann@med.ovgu.de

**Effertz**, Thomas, Dept. Cellular Neurobiology, University of Göttingen, Hermann-Rein-Str. 3, 37077, Göttingen, Tel.: +49 551 395400, Email: teffertz@web.de

**Egelhaaf**, Prof. Dr. Martin, Neurobiology & CITEC, Bielefeld University, Postfach 10 01 31, 33501, Bielefeld, Tel.: +49 521 1065570, Email: martin.egelhaaf@uni-bielefeld.de

**Egert**, Prof. Dr. Ulrich, Biomicrotechnology, Dept. of Microsystems Engineering, University of Freiburg, Georges-Köhler-Allee 102, 79110, Freiburg, Tel.: +49 761 2037524, Email: egert@imtek.uni-freiburg.de

**Egger**, Veronica, Institute of Physiology, LMU, Pettenkoferstr. 12, 80336, München, Tel.: +49 89 218075572, Email: V.Egger@lmu.de

**Ehling**, Petra, Institute for Physiology I, University of Muenster, Robert-Koch-Str. 27a, 48149, Münster, Tel.: +49 251 8355566, Email: pehling@uni-muenster.de

**Ehmann**, PhD Heike, Department of Biology, Animal Physiology Group, University of Kaiserslautern, Erwin-Schrödinger-Str.13, 67663, Kaiserslautern, Tel.: +49 631 2055004, Email: ehmann@rhrk.uni-kl.de

**Ehret**, Prof. Dr. Günter, Neurobiology, University of Ulm, Albert-Einstein-Allee 11, 89069, Ulm, Tel.: +49 731 5022628, Email: guenter.ehret@uni-ulm.de

**Ehrlich**, Dr. Ingrid, Neurobiology, Group Luethi, Friedrich-Miescher-Institute, Maulbeerstraße 66, 4058, Basel, Switzerland, Tel.: +41 61 6977894, Email: ingrid.ehrlich@fmi.ch

**Eickhoff**, René, Physiologisches Institut, Abt. Zellbiologie, Tierärztliche Hochschule Hannover, Bischofsholer Damm 15/102, 30173, Hannover, Tel.: +49 511 8567766, Email: rene.eickhoff@tiho-hannover.de

**Einhäuser-Treyer**, Wolfgang, AG Neurophysik, Philipps-Universität Marburg, Renthof 7, 35032, Marburg, Tel.: +49 6421 2824164, Email: wet@physik.uni-marburg.de

**Eisenhardt**, Dr. Dorothea, Neurobiologie, Freie Universität Berlin, Königin-Luise-Straße 28/30, 14195, Berlin, Tel.: +49 30 83856781, Email: theodora@neurobiologie.fu-berlin.de

**Ejaz**, Naveed, Bioengineering, Imperial College London, Exhibition Road, SW7 2AZ, London, United Kingdom, Tel.: +44 207 8520974, Email: nejaz@imperial.ac.uk

**El Ali**, M.Sc. Ayman, Neurovascular biology, University Hospital of Essen, Hufelandstraße 55, 45122, Essen, Tel.: +49 201 7231660, Email: ayman.elali@uk-essen.de

**el Jundi**, Dipl.-Biol. Basil, Animal Physiology, Philipps-University Marburg, Karl-von-Frisch-Straße 8, 35032, Marburg, Tel.: +49 6421 2823380, Email: eljundib@staff.uni-marburg.de

**Elbanna**, Dr. Shereen, UMR 1272 Physiologie de l'Insecte, INRA, Route de Saint-Cyr, 78000, Versailles, France, Tel.: +331 30 833342, Email: shelbana@gmail.com

**Elger**, Prof. Dr. Christian E., Klinik und Poliklinik für Epileptologie, Universität Bonn, Sigmund-Freud-Str. 25, 53105, Bonn, Tel.: +49 228 287 5727, Email: christian.elger@ukb.uni-bonn.de

**Elsner**, Prof. Dr. Norbert, Abt. Neurobiologie, Institute für Zoologie und Anthropologie, Berliner Straße 28, 37073, Göttingen, Tel.: +49 551 395401, Email: nelsner@gwdg.de

**Elßner-Beyer**, Bastian, Donders Institute for Brain, Cognition and Behaviour, Radboud University Nijmegen Medical Centre, Postbus 9101, 6500 HB, Nijmegen, Netherlands, Tel.: +31 24 3613675, Email: b.elsner-beyer@donders.ru.nl

**Elyada**, Yishai Michael, Department of Systems and Computational Neurobiology, Max-Planck-Institute for Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783289, Email: elyada@neuro.mpg.de

**Endepols**, Dr. Heike, Multimodal Imaging, Max-Planck-Institute for Neurological Research, Gleueler Str. 50, 50931, Köln, Tel.: +49 221 4726227, Email: heike.endepols@nf.mpg.de

**Endler**, Frank, Department of Zoology and Animal Physiology, RWTH Aachen, Kopernikusstr. 16, 52056, Aachen, Tel.: +49 241 4090625, Email: endler@bio2.rwth-aachen.de

**Endres**, Dr. Thomas, Institute of Physiology, Otto-von-Guericke-University Magdeburg, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6713687, Email: thomas.endres@med.ovgu.de

**Engelhorn**, Achim, Neuroprostheses Research Group, Leibniz Institute for Neurobiology, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263344, Email: achim.engelhorn@ifn-magdeburg.de

**Engelmann**, Dr. Jacob, Neuroethology, University of Bonn, Endericher Allee 11-13, 53115, Bonn, Tel.: +49 228 732472, Email: Jacob.Engelmann@uni-bonn.de

**Ernst**, PhD Udo, Institute for Theoretical Physics, University Bremen, Hochschulring 18, 28359, Bremen, Tel.: +49 421 21862002, Email: udo@neuro.uni-bremen.de

**Eroglu**, PhD Cagla, Cell Biology, Duke University Medical Center, Research Drive Nantoline Duke Bld Box 3709, 27710, Durham, USA, Tel.: +1 919 6843605, Email: c.eroglu@cellbio.duke.edu

**Eschbach**, PhD Claire, Genetics and neurobiology, University of Würzburg, Biocenter am Hubland, 97074, Würzburg, Tel.: +49 931 8884483, Email: claire.eschbach@stud-mail.uni-wuerzburg.de

**Escher**, Dr. Angelika, Institute of Neuropathology, Georg-August-University, Robert-Koch-Str. 40, 37099, Göttingen, Tel.: +49 551 398467, Email: aescher@med.uni-goettingen.de

**Esser**, Dr. Karl-Heinz, Auditory Neuroethology & Neurobiology, Institute of Zoology, University of Veterinary Medicine Hannover, Bünteweg 17, 30559, Hannover, Tel.: +49 511 9538420, Email: kalle.esser@tihohannover.de

**Estrada**, Veronica, Molekulare Neurobiologie, Heinrich-Heine-Universität Düsseldorf, Neurologische Klinik, Universitätsstr. 1, 40225, Düsseldorf, Tel.: +49 211 8114437, Email: estrada@uni-duesseldorf.de

**Euler**, Dr. Thomas, Biomedical Optics, Max-Planck-Institute for Medical Research, Jahnstr. 29, 69120, Heidelberg, Tel.: +49 6221 486320, Email: teuler@mpimf-heidelberg.mpg.de

**Everling**, Dr. Stefan, Robarts Research Institute, University of Western Ontario, 100 Perth Drive, N6A5K8, London, Canada, Tel.: +1 519 6858500435, Email: severlin@uwo.ca

**Evert**, Dr. Bernd Oliver, Neurology, University of Bonn, Sigmund-Freud-Str. 25, 53105, Bonn, Tel.: +49 228 28719882, Email: b.evert@uni-bonn.de

**Eysel**, Prof. Dr. Ulf, Inst. f. Physiologie/Abt. Neurophysiologie, Ruhr-Universität Bochum, Gebäude MA 4/ 149, 44780, Bochum, Tel.: +49 234 322 3849, Email: eyesel@rub.de

## F

**Fabricsius**, Martin, Department of Clinical Neurophysiology, Glostrup Hospital, Nordre Ringvej, 2600, Glostrup, Denmark, Tel.: +45 43 232409, Email: mafa@glo.regionh.dk

**Färber**, Dr. Katrin, Cellular Neuroscience, MDC, Robert-Rössle-Str. 10, 13125, Berlin, Tel.: +49 30 94063260, Email: kfaerber@mdc-berlin.de

**Faissner**, Prof. Dr. Andreas, Cell Morphology and Molecular Neurobiology, Ruhr-University, Building NDEF 05/594, Universitätsstr. 150, 44801, Bochum, Tel.: +49 234 3223851, Email: andreas.faissner@ruhr-uni-bochum.de

**Falkai**, Prof. Dr. Peter, Psychiatry and Psychotherapy, University of Göttingen, Von-Siebold-Straße 5, 37075, Göttingen, Tel.: +49 551 396601, Email: pfalkai@gwdg.de

**Fano**, Silvia, Institute for Neurophysiology, Charité Universitätsmedizin Berlin, Tucholskystraße 2, 10117, Berlin, Tel.: +49 30 450528376, Email: silvia.fano@charite.de

**Farca Luna**, PhD Abud Jose, Molekulare Neuropharmakologie, Johann-Friedrich-Blumenbach-Institut für Zoologie & Anthropologie, Berliner Str. 28, 37073, Göttingen, Tel.: +49 551 3991183, Email: fabud@gwdg.de

**Farkhooi**, Farzad, Neuroinformatics & Theoretical Neuroscience, FU Berlin, Königin-Luise-Straße 28/30, 14195, Berlin, Tel.: +49 30 83856635, Email: farzad@zedat.fu-berlin.de



**Fauser**, Dr. Susanne, Experimental Epilepsy Group, Department of Neurosurgery, University of Freiburg, Breisacher Str. 64, 79106, Freiburg, Tel.: +49 761 2705290, Email: susanne.fauser@uniklinik-freiburg.de

**Faustmann**, Melanie, Neurobiologie, Johann-Friedrich-Blumenbach-Institut für Zoologie und Anthropologie, Berliner Straße 28, 37073, Göttingen, Tel.: +49 551 3893744, Email: melanie.faustmann@pugneus.de

**Fawcett**, Prof. James W., Centre for Brain Repair, Cambridge University, Robinson Way, CB2 0PY, Cambridge, United Kingdom, Tel.: +44 1223 331188, Email: jf108@cam.ac.uk

**Feinkohl**, Arne, Department of Animal Physiology and Behaviour, Carl-von-Ossietzky University Oldenburg, Carl-von-Ossietzky-Straße 9-11, 26111, Oldenburg, Tel.: +49 441 7983405, Email: arne.feinkohl@uni-oldenburg.de

**Felmy**, Dr. Felix, Department of Neurobiology, Ludwig-Maximilians-University, Großhaderner Straße 2, 82152, München, Tel.: +49 89 208174316, Email: felmy@zi.biologie.uni-Muenchen.de

**Felsenberg**, Johannes, Neurobiologie, Freie Universität Berlin, Königin-Luise-Str. 28/30, 14195, Berlin, Tel.: +49 30 83856454, Email: johannesfelsenberg@gmx.de

**Fendt**, Dr. Markus, Neuropsychiatry, Novartis Institutes for BioMedical Research, Forum 1, Novartis Campus, 4056, Basel, Switzerland, Tel.: +41 61 3241042, Email: markus.fendt@novartis.com

**Ferger**, Annette Isabel, Neurology, University of Ulm, Helmholtzstr. 8/1, 89081, Ulm, Tel.: +49 731 50063113, Email: annette.ferger@uni-ulm.de

**Ferraguti**, Dr. Francesco, Pharmacology, Innsbruck Medical University, Peter-Mayr-Straße 1a, 6020, Innsbruck, Austria, Tel.: +43 512 900371204, Email: francesco.ferraguti@i-med.ac.at

**Fiala**, Prof. Dr. André, Molecular Neurobiology of Behaviour, Georg-August-Universität Göttingen, Grisebachstr. 5, 37077, Göttingen, Tel.: +49 551 393356, Email: afiala@gwdg.de

**Fidzinski**, Dr. Pawel, Physiology and Pathophysiology of Ion Transport, FMP / MDC Berlin, Robert-Rössle-Str. 10, 13125, Berlin, Tel.: +49 30 94062966, Email: pawel.fidzinski@mdc-berlin.de

**Fiedler**, Mag. Katja, Abt. für nichtlineare Dynamik, MPI für Dynamik und Selbstorganisation, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 5176549, Email: katja@nld.ds.mpg.de

**Fiedler**, Anja, Evolutionary Neuroethology, Max-Planck-Institute for Chemical Ecology, Hans-Knöll-Str. 8, 07745, Jena, Tel.: +49 3641 571453, Email: anfiedler@ice.mpg.de

**Filip**, Dr. Malgorzata, Laboratory of Drug Addiction Pharmacology, Institute of Pharmacology PAS, Smetna 12, 31-343, Krakow, Poland, Tel.: +48 12 6623293, Email: filip@if-pan.krakow.pl

**Fillbrandt**, Antje, Auditory Learning and Speech, Leibniz-Institute for Neurobiology Magdeburg, Brenneckstr. 6, 39118, Magdeburg, Tel.: +49 391 6263344, Email: antje.fillbrandt@ifn-magdeburg.de

**Finsen**, Dr. Bente, Medical Biotechnology Center, University of Southern Denmark, Winsløwparken 25.2, 5000, Odense C, Denmark, Tel.: +45 65 503990, Email: bfinсен@health.sdu.dk

**Fisch**, Karin, Department of Biology II, Division of Neurobiology, LMU München, Großhaderner Str. 2, 82152, Planegg-Martinsried, Tel.: +49 89 218074133, Email: fisch@bio.lmu.de

**Fischbach**, Prof. Dr. Karl-Friedrich, Neurogenetics, Faculty of Biology, Institute of Biology III, Schaenzlestr. 1, 79104, Freiburg, Tel.: +49 761 2032730, Email: kff@uni-freiburg.de

**Fischer**, Marc, Zentrum Physiologie und Pathophysiologie, Georg-August-Universität Göttingen, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 3922933, Email: Dark\_Selektar@web.de

**Fischer**, Dr. André, Laboratory for Aging and Cognitive Diseases; EURYL Research Group Max Planck Society Medical School, University of Göttingen European Neuroscience Institute, Grisebach Str. 537077 Göttingen, Tel.: +49-551-3910378, Email: Andre.Fischer@mpi-mail.mpg.de

**Fishell**, Prof. Gord, Smilow Neuroscience Program, NYU School of Medicine, Rm 511 Smilow Research Bldg. 522 1st Ave., 10016, New York, USA, Tel.: +1 212 2637691, Email: fisheg01@nyumc.org

**Flecke**, Dr. Christian, Biologie, Tierphysiologie, Universität Kassel, Heinrich-Plett-Straße 40, 34132, Kassel, Tel.: +49 6421 26943, Email: flecke@staff.uni-marburg.de

**Fleischer**, Dr. Joerg, Institute of Physiology, University of Hohenheim, Garbenstr. 30, 70599, Stuttgart, Tel.: +49 711 45922270, Email: joergf@uni-hohenheim.de

**Fleischer**, Prof. Dr. Andreas G., Department Biology / Biokybernetik, University Hamburg, Vogt-Kölln-Str. 30, 22527, Hamburg, Tel.: +49 40 428832566, Email: fleischer@biokybernetik.uni-hamburg.de

**Fleischer**, Falk, Section Computational Sensomotrics, Dept. for Cognitive Neurology, Hertie-Institute for Clinical Brain Research & Center for Integrative Neuroscience, Frondsbergstraße 23, 72076, Tübingen, Tel.: +49 7071 2989131, Email: falk.fleischer@medizin.uni-tuebingen.de

**Flügge**, Prof. Gabriele, Clinical Neurobiology Laboratory, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851133, Email: gfluegg@gwdg.de

**Fluegge**, Daniela, Department of Cellular Physiology, Ruhr-University Bochum, Universitätsstraße 150, 44801, Bochum, Tel.: +49 234 3225842, Email: daniela.fluegge@rub.de

**Folta**, Prof. Dr. Kristian, Neurobiology & Learning Lab, University of Hildesheim, Marienburger Platz 22, 31141, Hildesheim, Tel.: +49 5121 883491, Email: foltak@uni-hildesheim.de

**Fontinha**, Bruno Miguel, Simon Rumpel's group, Research Institute of Molecular Pathology (I.M.P.), Vienna, Austria, Dr. Bohr-Gasse 7, 1030, Vienna, Austria, Tel.: +43 797 30, Email: fontinha.bruno@gmail.com

**Ford**, Marc Christopher, Division of Neurobiology, LMU München, Großhaderner Str. 2, 82152, Planegg-Martinsried, Tel.: +49 89 218074354, Email: ford@zi.biologie.uni-muenchen.de

**Forstner**, Maike, Institute of Physiology, University of Hohenheim, Garbenstr. 30, 70599, Stuttgart, Tel.: +49 711 45922267, Email: maikeforstner@web.de

**Fouad**, Dr. rer. nat Karim, Faculty of Rehabilitation Medicine, University of Alberta, 3-48 Corbett Hall, T6G 2G4, Edmonton, Canada, Tel.: +1 780 4925971, Email: karim.fouad@ualberta.ca

**Frahm**, Dr. Christiane, Experimental Neurology, Department of Neurology, Erlanger Allee 101, 7747, Jena, Tel.: +49 3641 9325909, Email: christiane.frahm@med.uni-jena.de

**Francikowski**, PhD Jacek Czeslaw, Department of Animal Physiology and Ecotoxicology, University of Silesia, Bankowa 9, 40-007, Katowice, Poland, Tel.: +48 32 3591676, Email: monty18@wp.pl

**Franke**, Dr. Heike, Rudolf Boehm Institute of Pharmacology and Toxicology, University of Leipzig, Härtelstr. 16-18, 4107, Leipzig, Tel.: +49 341 97246002, Email: Heike.Franke@medizin.uni-leipzig.de

**Franken**, Gilbert Werner Walte, Neurochemistry, Leibniz Institute for Neurobiology, Brennekestr. 6, 39118, Magdeburg, Tel.: +49 391 6263623, Email: gilbert\_f@web.de

**Frankland**, Dr. Paul, Neosciences & Mental Health, Hospital for Sick Children, 555 University Avenue, M5G1X8, Toronto, Canada, Tel.: +1 416 8137654, Email: paul.frankland@sickkids.ca

**Franosch**, Dr. Jan-Moritz Peter, Physics Department, Technical University of Munich, James-Franck-Str., 85748, Garching, Tel.: +49 89 28912195, Email: mail@Franosch.org

**Franz**, Christoph, ENT University clinic, THRC, Molecular Neurobiology, University of Tübingen, Elfriede-Aulhorn-Straße 5, 72076, Tübingen, Tel.: +49 7071 2988246, Email: christoph.franz@uni-tuebingen.de

**Franze**, Dr. Kristian, Department of Physics, Sector of Biological and Soft Systems, University of Cambridge, J. J. Thomson Avenue, CB3 0HE, Cambridge, United Kingdom, Tel.: +44 1223 748915, Email: kf284@cam.ac.uk

**Frech**, Birte, Institut f. Zoologie III - Neurobiologie, Johannes Gutenberg-Universität, Colonel-Kleinmannweg 2, 55099, Mainz, Tel.: +49 6131 3924482, Email: frechb@uni-mainz.de

**Freitag**, PhD Silvia, Department of Biological Cybernetics, University of Bielefeld, PO Box 100131, 33501, Bielefeld, Tel.: +49 521 1065529, Email: silvia.freitag@uni-bielefeld.de

**Freitag**, H. Eckehard, Neurobiologie, AG Prof. H. Bading, INF 364, 69123, Heidelberg, Tel.: +49 6221 3269020, Email: freitag@nbio.uni-heidelberg.de

**Freund**, Nadja, Institute of Cognitive Neuroscience, Department of Biopsychology, Ruhr-University, Universitätsstraße 150, 44780, Bochum, Tel.: +49 234 3226804, Email: nadja.freund@rub.de



**Friauf**, Prof. Dr. Eckhard, Animal Physiology, University of Kaiserslautern, Erwin-Schrödinger-Str. 13-572, 67663, Kaiserslautern, Tel.: +49 631 2052424, Email: eckhard.friauf@biologie.uni-kl.de

**Fricker**, Ph.D. Lloyd, Department of Molecular Pharmacology, Albert Einstein College of Medicine, 1300 Morris Park Ave, 10461, Bronx, NY, USA, Tel.: +1 718 4304225, Email: fricker@aecom.yu.edu

**Fricker**, Dr. Desdemona, INSERM U 739 Cortex & Epilepsie, INSERM, 105 Bd. de l'Hôpital, 75013, Paris, France, Tel.: +331 4077 8162, Email: dfricker@chups.jussieu.fr

**Friemel**, Dipl.-Psych. Chris Maria, Psychopharmakologie, Zentralinstitut für Seelische Gesundheit, J5 Laborgebäude, 68159, Mannheim, Tel.: +49 621 17036281, Email: chris.friemel@zi-mannheim.de

**Frischknecht**, Dr. Renato, Neurochemistry, Leibniz-Institute for Neurobiology, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263221, Email: rfrischk@ifn-magdeburg.de

**Fritschy**, Dr. Jean-Marc, Institute of Pharmacology and Toxicology, University of Zürich, Winterthurerstraße 190, 8057, Zürich, Switzerland, Tel.: +41 44 6355926, Email: fritschy@pharma.uzh.ch

**Froese**, Anja, Institut für Biologie, Neurobiologie, Freie Universität Berlin, Königin-Luise-Str. 28/30, 14195, Berlin, Tel.: +49 30 83852046, Email: froesea@web.de

**Fromherz**, Prof. Dr. Peter, Department of Membrane and Neurophysics, Max-Planck-Institute for Biochemistry, Am Klopferspitz 18, 82152, Martinsried-München, Tel.: +49 89 85782820, Email: fromherz@biochem.mpg.de

**Fromm**, Dipl.-Biol. Bastian, AG Predel, FSU Jena, Erbertstr 1, 7743, Jena, Tel.: +49 3641 949190, Email: B.Fromm@uni-jena.de

**Froriep**, Ulrich Paul, BCCN Freiburg, University of Freiburg, Hansastr. 9a, 79104, Freiburg, Tel.: +49 176 96912149, Email: froriep@bccn.uni-freiburg.de

**Frotscher**, Michael, Institut für Anatomie und Zellbiologie, Albert-Ludwigs-Universität Freiburg, Albertstr. 17, 79104, Freiburg, Tel.: +49 761 2035056, Email: Michael.Frotscher@anat.uni-freiburg.de

**Fry**, Steven N., Neuroinformatics, ETH Zürich, Winterthurerstraße 190, 8057, Zürich, Switzerland, Tel.: +41 44 6353054, Email: steven@ini.ch

**Fuchs**, Prof. Dr. Eberhard, Clinical Neurobiology, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851130, Email: efuchs@gwdg.de

**Funk**, Nico Werner, Animal Physiology, University of Kassel, Heinrich-Plett-Str. 40, 34132, Kassel, Tel.: +49 561 8044220, Email: nico.funk@staff.uni-marburg.de

**Funke**, Dr. Frank, Center molecular physiology of the brain (cmpb), Zentrum Physiologie und Pathophysiologie, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 3922933, Email: ffunke1@gwdg.de

**Funke**, Prof. Klaus, Neurophysiology, Ruhr-University Bochum, Universitätsstrasse 150, 44780, Bochum, Tel.: +49 234 3223944, Email: funke@neurop.rub.de

**Fusca**, Debora, Institute of Zoology/Physiology, University of Cologne, Weyertal 119, 50931, Köln, Tel.: +49 221 4705828, Email: debora.fusca@uni-koeln.de

## G

**Gabriel**, Dr. Jens Peter, Department of Neuroscience, Karolinska Institutet, Retzius Väg 8, 17177, Stockholm, Sweden, Tel.: +46 8 52487399, Email: Jens.Peter.Gabriel@ki.se

**Gaese**, Dr. Bernhard, Inst. Zellbiologie und Neurowissenschaft, Goethe-Universität Frankfurt, Siesmayerstr. 70A, 60323, Frankfurt/M., Tel.: +49 69 79824742, Email: gaese@bio.uni-frankfurt.de

**Gail**, Dr. Alexander, Sensorimotor Group, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851358, Email: agail@gwdg.de

**Galashan**, Fingal Orlando, Center for Cognitive Science, University of Bremen, Brain Research Institute, P.O. Box 33 04 40, 28334, Bremen, Tel.: +49 421 2189758, Email: galashan@brain.uni-bremen.de

**Gampe**, Kristine, Neurochemistry, Goethe-Universität, Max-von-Laue-Str.9/N210, 60438, Frankfurt/M., Tel.: +49 69 79829625, Email: k.gampe@bio.uni-frankfurt.de

**Gansel, Kai**, Neurophysiologie, Max-Planck-Institut für Hirnforschung, Deutschordenstraße 46, 60528, Frankfurt am Main, Tel.: +49 69 96769272, Email: gansel@mpih-frankfurt.mpg.de

**Garcia, Joanna**, Dept. of Stereotactic Neurosurgery, Laboratory of Molecular Neurosurgery, University Hospital Freiburg, Breisacher Str. 64, 79106, Freiburg, Tel.: +49 761 2705046, Email: joanna.garcia@uniklinik-freiburg.de

**Garea Rodriguez, Enrique**, Department of Neuropathology, University Medical Center Göttingen, Robert-Koch-Str. 40, 37099, Göttingen, Tel.: +49 551 398467, Email: e.garea-rodriguez@med.uni-goettingen.de

**Garratt, Dr. Alistair**, Department of Neurosciences, Max-Delbrück-Center for Molecular Medicine, Robert-Rössle-Straße 10, 13125, Berlin, Tel.: +49 30 94063785, Email: agarratt@mdc-berlin.de

**Garzorz, Natalie Verena**, Clinical Neuroimmunology LMU München, TU München, Buschingstraße 55, 81677, München, Tel.: +49 172 7277332, Email: natalie.garzorz@gmx.net

**Gatica Tossi, Mario**, International Graduate School of Neuroscience, Ruhr-Universität-Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3227978, Email: seacreature93@gmail.com

**Gauthier, PhD Anne**, Neurobiology, University of Osnabrück, Barbarastraße 11, 49076, Osnabrück, Tel.: +49 541 9692876, Email: anne.gauthier@biologie.uni-osnabrueck.de

**Gebhardt, Dr. Christine**, Institute of Neurophysiology, Universitätsmedizin Berlin Charité, Tucholskystr.2, 10117, Berlin, Tel.: +49 30 450528377, Email: christine.gebhardt@charite.de

**Gebhardt, Dr. Michael**, Lehrstuhl für Zoologie, Technische Universität München, Hochfeldweg 2, 85350, Freising, Tel.: +49 8161 712805, Email: michael.gebhardt@wzw.tum.de

**Gebhardt, Christoph**, Zell- und Neurobiologie, Universität Karlsruhe, Haid-und-Neustr. 9, 76131, Karlsruhe, Tel.: +49 721 6083354, Email: christoph.gebhardt@bio.uka.de

**Gehring, Katrin Barbara**, Neurobiology, Freie Universität Berlin, Königin-Luise-Str. 3a, 14195, Berlin, Tel.: +49 30 83856454, Email: katrin.gehring@yahoo.de

**Geissler, Dipl.-Biol. Maren**, Cellmorphology and molecular neurobiology, Ruhr-University Bochum, Universitätsstraße, Gebäude NDEF 05/593, 44801, Bochum, Tel.: +49 234 3224312, Email: maren.geissler@rub.de

**Gentsch, Janina**, Paul-Flechsig-Institute for Brain Research, University of Leipzig, Jahnallee 59, 4109, Leipzig, Tel.: +49 341 9725794, Email: janina.gentsch@medizin.uni-leipzig.de

**Gernert, Dr. Manuela**, Dept. of Pharmacology, University of Veterinary Medicine, Bünteweg 10, 30559, Hannover, Tel.: +49 511 9538527, Email: manuela.gernert@tiho-hannover.de

**Geurten, Bart R. H.**, Neurobiology, University Bielefeld, Postbox 10 01 31, 33501, Bielefeld, Tel.: +49 521 1065737, Email: bar.geurten@uni-bielefeld.de

**Giebl, Dr. Andreas**, Department of Biology, Animal Physiology, University of Erlangen-Nuremberg, Staudtstrasse 5, 91058, Erlangen, Tel.: +49 9131 8528055, Email: AGiessl@biologie.uni-erlangen.de

**Girardin, PhD Cyrille Claude**, Biology, University of Constance, Universitätstrasse 10, 78457, Konstanz, Tel.: +49 75 31882117, Email: cyrille.girardin@uni-konstanz.de

**Gisselmann, Dr. Günter**, Lehrstuhl für Zellphysiologie, Ruhr-Universität Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3224106, Email: guenter.gisselmann@rub.de

**Glass, PhD Rainer**, Cellular Neuroscience, Max-Delbrück-Center, Robert-Rössle-Str. 10, 13125, Berlin, Tel.: +49 30 94063260, Email: rainer.glass@mdc-berlin.de

**Gliem, Sebastian**, Department of Neurophysiology and Cellular Biophysics, Institute for Physiology, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 12203, Email: sgliem@gwdg.de

**Glöckner, Dipl.-Biol. Pia**, Paul-Flechsig-Institute of Brain Research, University of Leipzig, Jahnallee 59, 04109, Leipzig, Tel.: +49 341 9725724, Email: gloeck@rz.uni-leipzig.de

**Gloveli, Dr. Tengis**, Institute of Neurophysiology, Charité, Tucholskystr. 2, 10117, Berlin, Tel.: +49 30 450528214, Email: tengis.gloveli@charite.de



**Göbbels**, Katrin, Institute for Biology II, Unit for Developmental Biology and Morphology of Anima, RWTH Aachen, Kopernikusstr. 16, 52070, Aachen, Tel.: +49 241 8024856, Email: goebbels@bio2.rwth-aachen.de

**Göbel**, Kerstin, Neurologische Klinik, Universitätsklinik Würzburg, Josef-Schneider-Str. 11, 97080, Würzburg, Tel.: +49 931 2969318, Email: kerstin-goebel@gmx.net

**Goedeke**, Sven, Bernstein Center for Computational Neuroscience, Albert-Ludwigs-Universität Freiburg, Hansastr. 9a, 79104, Freiburg, Tel.: +49 761 2039549, Email: sven.goedeke@biologie.uni-freiburg.de

**Gökce**, Onur, Cellular and Systems Neurobiology, Max-Planck-Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85782551, Email: gokce@neuro.mpg.de

**Göpfert**, Dr. Martin C., Department of Cellular Neurobiology, University of Göttingen, Hermann-Rein-Str. 3, 37077, Göttingen, Tel.: +49 551 395400, Email: m.gopfert@uni-koeln.de

**Görlich**, Dipl.-Biophys. Andreas, Department of Biology, Neurobiology/Neurophysiology, TU Kaiserslautern, Erwin-Schrödinger-Str. 13-570, 67663, Kaiserslautern, Tel.: +49 631 2052501, Email: goerlich@physik.uni-kl.de

**Götz**, Prof. Dr. Magdalena, Institute of Stem Cell Research, Helmholtz Zentrum München, German Research Center for Environmental Health, Ingolstädter Landstr. 1, 85764, Neuherberg, Tel.: +49 89 31873751, Email: magdalena.goetz@helmholtz-Muenchen.de

**Götze**, Bianka, Institut für Allgemeine Zoologie und Tierphysiologie, Friedrich-Schiller-Universität Jena, Erberstraße 1, 7743, Jena, Tel.: +49 3641 949133, Email: bianca.goetze@uni-jena.de

**Gojak**, M.Sc. Christian P., Biophysical Chemistry, Prof. Spatz group, Heidelberg University, Im Neuenheimer Feld 253, 69120, Heidelberg, Tel.: +49 178 3123161, Email: gojak@mf.mpg.de

**Golbs**, Dr. Antje, Institute of Physiology and Pathophysiology, Johannes-Gutenberg-University Mainz, Duesbergweg 6, 55128, Mainz, Tel.: +49 6131 3926410, Email: golbs@uni-mainz.de

**Goldammer**, Jens, Departement of Animal Physiology, University of Cologne, Weyertal 119, 50923, Köln, Tel.: +49 221 4701759, Email: goldammj@uni-koeln.de

**Goldmann**, Tobias, Department of Cell and Matrix Biology, Institute of Zoology, Johannes Gutenberg-University of Mainz, Müllerweg 6, 550099, Mainz, Tel.: +49 6131 22880, Email: goldma@uni-mainz.de

**Goldschmidt**, Dr. Jürgen, Auditory learning and speech, Leibniz-Institut für Neurobiologie, Brenneckestraße 6, 39118, Magdeburg, Tel.: +49 391 6263348, Email: goldschmidt@ifn-magdeburg.de

**Gollisch**, Dr. Tim, Visual Coding, MPI of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783496, Email: tgollisch@neuro.mpg.de

**Gorny**, Xenia, Behavioural Neurology, Leibniz-Institute for Neurobiology, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263623, Email: xenia.gorny@ifn-magdeburg.de

**Gottmann**, Dr. Kurt, Neurophysiology, University of Düsseldorf, Universitätsstr. 1, 40225, Düsseldorf, Tel.: +49 211 8115716, Email: kurt.gottmann@uni-duesseldorf.de

**Goulet**, Julie, T35 Physik Departement, Technical University of Munich, James-Frank-Straße 1, 85747, München, Tel.: +49 89 28912192, Email: julie@ph.tum.de

**Goutman**, PhD Juan D., Brain Mind Institute, École Polytechnique Fédérale de Lausanne, AI 2110 (Bâtiment AI) - Station 15, 1015, Lausanne, Switzerland, Tel.: +41 21 6474306, Email: juan.goutman@epfl.ch

**Grabe**, Veit, Evolutionary Neuroethology, Max-Planck-Institute for Chemical Ecology, Hans-Knöll-Straße 8, 07745, Jena, Tel.: +49 3641 571428, Email: vgrabe@ice.mpg.de

**Graebenitz**, Stefanie Anne, Institute of Physiology 1, Neurophysiology, Westfälische Wilhelms-Universität Münster, Robert-Koch-Straße 27a, 48149, Münster, Tel.: +49 251 8358110, Email: graebenitz@gmail.com

**Graf**, Prof. Dr. Rudolf, Multimodal Imaging, Max-Planck-Institute for Neurological Research, Gleueler Str. 50, 50931, Köln, Tel.: +49 221 4726201, Email: rudolf.graf@nf.mpg.de

**Gras**, Dr. Heribert, Abt. Neurobiologie, Institut für Zoologie und Anthropologie, Berliner Str. 28, 37073, Göttingen, Tel.: +49 551 395404, Email: hgras@gwdg.de



**Greifzu**, Franziska, Institute of General Zoology and Animal Physiology, Research Group Löwel, Friedrich-Schiller-University (FSU) Jena, Erbertstr. 1, 7743, Jena, Tel.: +49 3641 949133, Email: Franziska.Greifzu@uni-jena.de

**Grewe**, Dr. Jan, Department Biologie II, Ludwig-Maximilians-Universität München, Großhaderner Straße 2, 82152, Planegg-Martinsried, Tel.: +49 89 218074137, Email: grewe@biologie.uni-München.de

**Griesemer**, Dr. Desiree, Tierphysiologie, Technische Universität Kaiserslautern, Gebäude 13, Erwin-Schrödinger-Straße, 67663, Kaiserslautern, Tel.: +49 631 2052493, Email: desiree.griesemer@biologie.uni-kl.de

**Grill**, PhD Sandra, Animal Physiology Group, Department of Biology, University of Kaiserslautern, Erwin-Schrödinger-Str.13, 67653, Kaiserslautern, Tel.: +49 631 2055004, Email: grill@rhrk.uni-kl.de

**Groh**, Dr. Claudia, Zoology II, University of Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 931 8884316, Email: claudia.groh@biozentrum.uni-wuerzburg.de

**Grohmann**, PhD Marcus, Faculty of Medicine, University of Leipzig, Rudolf-Boehm-Institute of Pharmacology and Toxicology, Härtelstraße 16/18, 04107, Leipzig, Tel.: +49 341 9724610, Email: Markus.Grohmann@uniklinik-leipzig.de

**Groll**, M.Sc. Helga, Neuroethology/Ecology, University of Southampton - School of Biological Sciences, Boldrewood Campus Building 62, SO16 7PX, Southampton, United Kingdom, Tel.: +44 2380 594445, Email: h.groll@soton.ac.uk

**Große-Wilde**, Dr. Ewald, Evolutionary Neuroethology, Max-Planck-Institute for Chemical Ecology, Hans-Knöll-Str. 8, 07745, Jena, Tel.: +49 3641 571408, Email: grosse-wilde@ice.mpg.de

**Gruber**, Mag. Morna, Institute of Zoology III - Neurobiology, Johannes-Gutenberg-University, Colonel-Kleinmann-Weg 2 -SB II, 55099, Mainz, Tel.: +49 6131 3923379, Email: mornagruber@gmx.de

**Grün**, PD Dr Sonja, Theoretical Neuroscience Group, RIKEN Brain Science Institute, 2-1 Hirosawa, 351-0198, Wako-Shi, Japan, Tel.: +81 48 4679644, Email: gruen@brain.riken.jp

**Grünewald**, Dr. Bernd, Institut für Neurowissenschaften und Zellbiologie, Goethe-Universität Frankfurt am Main, Karl-von-Frisch-Weg 2, 61440, Oberursel, Tel.: +49 6171 21278, Email: b.gruenewald@bio.uni-frankfurt.de

**Gruhn**, Dr. Matthias, Department of Animal Physiology, Universität zu Köln, Weyertal 119, 50931, Köln, Tel.: +49 221 4703103, Email: mgruhn@unikoeln.de

**Grunditz**, Dr. Åsa, Neuroscience, Friedrich Miescher Institute, Maulbeerstraße 66, 4058, Basel, Switzerland, Tel.: +41 61 6978568, Email: asa.muller@fmi.ch

**Gruss**, Dr. Michael, Institute of Biology, Otto-von-Guericke-University Magdeburg, Leipziger Strasse 44, 39120, Magdeburg, Tel.: +49 391 6755008, Email: michael.gruss@ovgu.de

**Gruszczynska-Biegala**, Dr. Joanna, Laboratory of Neurodegeneration, International Institute of Molecular and Cell Biology, 4 Ks. Trojdena Street, 02-109, Warsaw, Poland, Tel.: +48 22 5970762, Email: joannag@iimcb.gov.pl

**Gryga**, Martin, Neurophysiology, Paul-Flechsig-Institute for Brain Research, Jahnallee 59, 04109, Leipzig, Tel.: +49 174 7051983, Email: mightymartin@gmx.de

**Guck**, Dr. Jochen, Department of Physics, Cavendish Laboratory, University of Cambridge, JJ Thomson Ave, CB3 0HE, Cambridge, United Kingdom, Tel.: +44 1223 748914, Email: jg473@cam.ac.uk

**Güntürkün**, Prof. Dr. Dr. Onur, Fakultät für Psychologie, IKN, Abt. Biopsychologie, Ruhr-Universität Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3226213, Email: onur.guentuerkuen@ruhr-uni-bochum.de

**Guggenmoos-Schreyer**, Sibylle, AG Molekulare Mechanismen der Depression, Dr. Claus Normann, Universität Freiburg, Abteilung für Psychiatrie und Psychotherapie, Hauptstr. 5, 79104, Freiburg, Tel.: +49 176 23905795, Email: sibylle@guggenmoos.org

**Guillemot**, Dr. Francois, Division of Molecular Neurobiology, NIMR, The Ridgeway, NW71AA, London, United Kingdom, Tel.: +44 208 8162740, Email: fguille@nimr.mrc.ac.uk



**Gummert**, Maïke, Neurogenetics, Max-Planck-Institute of Experimental Medicine, Hermann-Rein-Straße 3, 37075, Göttingen, Tel.: +49 551 3899774, Email: gummert@em.mpg.de

**Gundelfinger**, Prof. Eckart D., Neurochemie & Molekularbiologie, Leibniz-Institut für Neurobiologie, Brenneckerstr. 6, 39118, Magdeburg, Tel.: +49 391 6263228, Email: gundelfi@ifn-magdeburg.de

**Gundlfinger**, Dr. Anja, Abteilung Neurophysiologie, Universität Zürich, Winterthurerstr. 190, 8057, Zürich, Switzerland, Tel.: +41 44 6353307, Email: gundlfinger@hifo.uzh.ch

**Gurgenidze**, Shalva, Institute of Neurophysiology, Charité, Tucholskystr. 2, 10117, Berlin, Tel.: +49 30 450528214, Email: shalva.gurgenidze@charite.de

**Guschlbauer**, Christoph, Department of animal physiology, Institute of Zoology, Weyertal 119, 50931, Köln, Tel.: +49 221 4704026, Email: c.guschlbauer@uni-koeln.de

**Gustav**, David, Department of Biology, Universität Konstanz, Universitätsstr. 10, 78457, Konstanz, Tel.: +49 7531 885066, Email: david.gustav@uni-konstanz.de

## H

**Haag**, Dr. Juergen, Department of Systems and Computational Neurobiology, Max-Planck-Institute for Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783254, Email: haag@neuro.mpg.de

**Haas**, Stefan Jean-Pierre, Institute of Anatomy, Medical Faculty/University of Rostock, Gertrudenstr. 9, 18055, Rostock, Tel.: +49 381 4948439, Email: stefan.haas@uni-rostock.de

**Haas**, Prof. Dr. Carola A., Experimental Epilepsy Research, University of Freiburg, Breisacher Str. 64, 79106, Freiburg, Tel.: +49 761 2705295, Email: carola.haas@uniklinik-freiburg.de

**Haberlandt**, Christian, Institut für Zelluläre Neurowissenschaften, Universitätsklinikum Bonn, Sigmund-Freud-Str. 25, 53105, Bonn, Tel.: +49 228 28711824, Email: christian.haberlandt@ukb.uni-bonn.de

**Hadar**, Ravit, Institut für Neurobiologie, Freie Universität Berlin, Königin-Luise-Str. 28, 14195, Berlin, Tel.: +49 170 5108064, Email: ravithadar@hotmail.com

**Hähnel**, Melanie, Institut für Biologie - Neurobiologie, Freie Universität Berlin, Königin-Luise-Straße 28/30, 14195, Berlin, Tel.: +49 30 83852046, Email: haehnel@neurobiologie.fu-berlin.de

**Hartig**, Dr. Wolfgang, Pathophysiology of Neuroglia, University of Leipzig, Paul Flechsig Institute for Brain Research, Jahnallee 59, 04109, Leipzig, Tel.: +49 341 9725772, Email: hartig@medizin.uni-leipzig.de

**Häussler**, Dr. Ute, Experimental Epilepsy research group, Dept. of Neurosurgery, University of Freiburg, Breisacher Straße 64, 79016, Freiburg, Tel.: +49 761 2705297, Email: ute.haeussler@uniklinik-freiburg.de

**Hage**, PhD Steffen, Physiological Science, UCLA, 641 Charles E. Young Dr. S., 90095-1606, Los Angeles, USA, Tel.: +1 424 2889152, Email: hage@ucla.edu

**Hagemann**, PhD Cornelia, Institut für Zellbiologie und Neurowissenschaft, AK Neurobiologie und Biosensori, Johann-Wolfgang-Goethe-Universität, Siesmayerstraße 70 A, 60323, Frankfurt am Main, Tel.: +49 69 79824735, Email: Hagemann@bio.uni-frankfurt.de

**Hagendorf**, Silke, Department of Cellular Physiology, Ruhr-University Bochum, Universitätsstraße 150, 44780, Bochum, Tel.: +49 234 3225839, Email: Silke.Hagendorf@rub.de

**Hahnenkamp**, Dipl.-Biol. Saskia, Department of Neurology, University of Würzburg, Josef-Schneider-Str. 11, 97080, Würzburg, Tel.: +49 931 20123499, Email: Hahnenkamp\_S@klinik.uni-Würzburg.de

**Halder**, Partho, Genetics and Neurobiology, Theodor Boveri Institute, Biocenter, Am Hubland, 97074, Würzburg, Tel.: +49 931 8884480, Email: partho@biozentrum.uni-Wuerzburg.de

**Hallermann**, Dr. Stefan, Carl-Ludwig-Institute of Physiology, University of Leipzig, Liebigstr. 27, 04103, Leipzig, Tel.: +49 341 9715526, Email: hallermann@medizin.uni-leipzig.de

**Hamodeh**, Salah, Dept. Cognitive Neurology, Hertie-Institute for Clinical Brain Research, Offried-Müller-Str. 27, 72076, Tübingen, Tel.: +49 7071 2980464, Email: salah.hamodeh@medizin.uni-Tuebingen.de

**Handschuh**, Juliane, Neurochemie / Molekularbiologie, Leibniz-Institut für Neurobiologie, Quittenweg 56, 39118, Magdeburg, Tel.: +49 176 23315064, Email: juliane.handschuh@hotmail.de

**Hanganu-Opatz**, Dr. Ileana Livia, Center for Molecular Neurobiology, University of Hamburg, Falkenried 94, 20251, Hamburg, Tel.: +49 40 428036597, Email: hangop@zmnh.uni-hamburg.de

**Hanitzsch**, Prof. Renate, CLI für Physiologie, CLI für Physiologie, Liebigstr. 27, 04103, Leipzig, Tel.: +49 341 8773070, Email: hanr@medizin.uni-leipzig.de

**Hanuschkin**, Alexander, Bernstein-Center for Computational Neuroscience, Albert-Ludwigs-Universität, Hansastr. 9a, 79104, Freiburg, Tel.: +49 761 2039555, Email: hanuschkin@bccn.uni-freiburg.de

**Happel**, M.Sc. Max, BioFuture Research Group, Leibniz Institute for Neurobiology, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263322, Email: mhappel@ifn-magdeburg.de

**Harmel**, Nadine, Institute of Physiology, University of Freiburg, Engesserstraße 4, 79108, Freiburg, Tel.: +49 761 2035201, Email: nadine.harmel@physiologie.uni-freiburg.de

**Harris**, PhD Kenneth Daniel, Center for Molecular and Behavioral Neuroscience, Rutgers University, 197 University Avenue, 7102, Newark, USA, Tel.: +1 973 3533518, Email: kdharris101@gmail.com

**Harting**, Kai Volker, Interfakultäres Institut für Zellbiologie, Abteilung Molekularbiologie, AG Knöll, Universität Tübingen, Auf der Morgenstelle 15, 72076, Tübingen, Tel.: +49 7071 2978844, Email: k.harting@student.uni-Tübingen.de

**Hartisch**, Maike, Dept. of Molecular Neurobiology, Max-Planck-Institute of Experimental Medicine, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 551 3899693, Email: hartisch@em.mpg.de

**Hartmann**, Anna-Maria, Neurogenetics, University of Oldenburg, Carl-von-Ossietzky-Str. 9-11, 26111, Oldenburg, Tel.: +49 441 7983299, Email: anna.maria.hartmann@uni-oldenburg.de

**Hartmann**, Prof. Dr. Tobias, Inst. Neurodegeneration and Neurobiology, Saarland University, Kirrbergerstr.1, GEbäude 61.4 / 90, 66421, Homburg/Saar, Tel.: +49 6841 1647918, Email: tobias.hartmann@uniklinikum-saarland.de

**Hartung**, Hans-Peter, Dept. of Neurology, Heinrich-Heine University Düsseldorf, Moorenstr. 5, 40225, Düsseldorf, Tel.: +49 211 8117880, Email: hans-peter.hartung@uni-duesseldorf.de

**Hashemolhosseini**, Dr. Said, Institut für Biochemie, Universität Erlangen-Nürnberg, Fahrstraße 17, 91054, Erlangen, Tel.: +49 9131 85246234, Email: sh@biochem.uni-erlangen.de

**Hass**, Nicole, Institute of Physiology, University of Hohenheim, Garbenstraße 30, 70593, Stuttgart, Tel.: +49 711 45922267, Email: XNicoléHassx@aol.com

**Hass**, Joachim, Institute for Nonlinear Dynamics / BCCN, University of Göttingen, Bunsenstrasse 10, 37073, Göttingen, Tel.: +49 551 5176461, Email: joachim@nld.ds.mpg.de

**Hassan**, Dr. Hadir, Neurophysiology, Leibniz-Institute for Neurobiology, Brenneckestraße 6, 39118, Magdeburg, Tel.: +49 391 6263425, Email: hassan@ifn-magdeburg.de

**Hassenklöver**, Thomas, Dep. of Neurophysiology and Cellular Biophysics, University of Göttingen, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 3912203, Email: thassen@gwdg.de

**Haßfurth**, Benjamin, Neurobiology, Ludwig-Maximilians-University Munich, Großhaderner Str.2, 82152, Martinsried, Tel.: +49 89 218074364, Email: Hassfurth@Bio.LMU.de

**Hatt**, Prof. Dr. Hans, Fakultät für Biologie, LS für Zellphysiologie, Ruhr-Universität Bochum, Universitätsstr. 150, Geb. ND 4, 44780, Bochum, Tel.: +49 234 322 4586, Email: Hanns.Hatt@rub.de

**Hauber**, Prof. Dr. Wolfgang, Animal Physiology, University of Stuttgart, Pfaffenwaldring 57, 70550, Stuttgart, Tel.: +49 711 68565003, Email: hauber@bio.uni-stuttgart.de

**Haug**, PhD Marion, Institute of Zoology, University of Zurich, Winterthurerstraße 190, 8057, Zürich, Switzerland, Tel.: +41 44 6354833, Email: marion.haug@zool.uzh.ch

**Hauser**, Dr. Frank, Department of Biology, University of Copenhagen, Universitetsparken 15, 2100, Copenhagen, Denmark, Tel.: +45 3532 1206, Email: fhauser@bio.ku.dk



**Hausmann**, Laura, Institute for Biology II, RWTH Aachen, Kopernikusstraße 16, 52056, Aachen, Tel.: +49 241 27531, Email: laura@bio2.rwth-aachen.de

**Haverkamp**, Dr. Silke, Neuroanatomy, Max-Planck-Institute for Brain Research, Deutschordenstr. 46, 60528, Frankfurt/M., Tel.: +49 69 96769236, Email: haverkamp@mpih-frankfurt.mpg.de

**Hawlichschka**, Alexander, Arbeitsgruppe Neuroanatomie, Institut für Anatomie, Universität Rostock, Postfach 100888, 18055, Rostock, Tel.: +49 381 4948439, Email: alexander.hawlichschka@uni-rostock.de

**Hedwig**, Dr. Berthold, Neurobiology, Department of Zoology, Downing Street, CB2 3EJ, Cambridge, United Kingdom, Tel.: +44 1223 336606, Email: bh202@cam.ac.uk

**Heidemann**, PhD Steven R., Dept. Physiology, Michigan State University, 2201 BPS Bldg, 48824, East Lansing, MI, USA, Tel.: +1 517 8845117, Email: heideman@msu.edu

**Heidmann**, Bärbel Manuela, Dept. 8.3-Biosciences - Zoology and Physiology (Neurobiology), Saarland University, 151150, 66041, Saarbrücken, Tel.: +49 681 30258141, Email: baerbel.heidmann@mx.uni-saarland.de

**Heindl-Erdmann**, Dr. Cornelia, Institute for Experimental and Clinical Pharmacology and Toxicology, FAU Erlangen-Nuremberg, Fahrstrasse 17, 91054, Erlangen, Tel.: +49 -9131 8526937, Email: heindl@pharmakologie.uni-erlangen.de

**Heine**, Dr. Martin, Neurochemie, Leibniz-Institut für Neurobiologie, Brenneckestraße 6, 39118, Magdeburg, Tel.: +49 391 6263132, Email: martin.heine@ifn-magdeburg.de

**Heinrich**, Dr. Ralf, Dept. Neurobiology, Institute for Zoology, Berliner Straße 28, 37073, Göttingen, Tel.: +49 551 3991183, Email: rheinri@gwdg.de

**Heinz**, Prof. Dr. Andreas, Clinic for Psychiatry and Psychotherapy, Charité-Universitätsmedizin Berlin, Charitéplatz 1, 10117, Berlin, Tel.: +49 30 450517001, Email: andreas.heinz@charite.de

**Heisenberg**, Prof. Dr. Martin, für Biowissenschaften, Theodor-Boveri-Institut, Am Hubland, 97074, Würzburg, Tel.: +49 931 888 4451, Email: heisenberg@biozentrum.uni-wuerzburg.de

**Heisenberg**, Prof. Dr. Martin, Theodor-Boveri-Institut für Biowissenschaften, Universität Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 931 8884451, Email: heisenberg@biozentrum.uni-wuerzburg.de

**Helfmann**, Dipl. Biol. Sarah, InnerEarLab, Otorhinolaryngology Göttingen, Robert-Koch-Straße 40, 37075, Göttingen, Tel.: +49 551 2508787, Email: Sarah.Helfmann@gmx.de

**Helias**, Moritz, Bernstein Center for Computational Neuroscience, University of Freiburg, Hansastraße 9a, 79104, Freiburg, Tel.: +49 761 2039555, Email: helias@bccn.uni-freiburg.de

**Hellekes**, PhD Katja, Dept. of Animal Physiology, University of Cologne, Weyertal 119, 50931, Köln, Tel.: +49 221 4701759, Email: katjahellekes@gmx.de

**Helling**, Imke, Cellular and Systems Neurobiology, Max Planck Institute of Neurobiology, Am Klopferspitz 14c, 82152, Martinsried, Tel.: +49 89 85783686, Email: ihelling@neuro.mpg.de

**Helmstädter**, Dipl.-Biol. Martin, AG Fischbach, Universität Freiburg, Schänzlestraße 1, 79104, Freiburg, Tel.: +49 174 1916271, Email: martin.helmstaedter@googlemail.com

**Hemmerlein**, Maïke, Department Biologie, Tierphysiologie, Friedrich-Alexander-Universität Erlangen-Nürnberg, Stadtstr. 5, 91058, Erlangen, Tel.: +49 9131 8528012, Email: mhemmer@biologie.uni-erlangen.de

**Hennen**, Dipl.-Biol. Eva, Cell Morphology and Molecular Neurobiology, Ruhr-University Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3222828, Email: eva.hennen@rub.de

**Hennig**, Patrick, Lehrstuhl für Neurobiologie, Universität Bielefeld, Universitätsstr. 25, 33615, Bielefeld, Tel.: +49 521 1065734, Email: phennig@uni-bielefeld.de

**Henning**, PhD Horst - Alfred, Institute of Neuroscience, TUM - Faculty of Medicine, Biedersteiner Strasse 29, 80802, München, Tel.: +49 89 41403362, Email: horst.henning@lrz.tu-muenchen.de

**Henninger**, Dipl. Jörg, Department Biologie II, Jan Benda group, LMU München, Großhaderner Str. 2, 82152, Planegg-Martinsried, Tel.: +49 176 23555567, Email: henninjo@biologie.hu-berlin.de

**Heppner**, Frank L., Department of Neuropathology, Charité - Universitätsmedizin Berlin, Augustenburger Platz 5, 13353, Berlin, Tel.: +49 30 450536041, Email: frank.heppner@charite.de

**Herbert**, Dr. Zsofia, Biozentrum, Neurobiology, Großhaderner Str. 2, 82152, Martinsried, Tel.: +49 89 218074313, Email: herbert@zi.biologie.uni-Muenchen.de

**Herdegen**, Dr. Thomas, Pharmakologie, Universität Kiel, Hospitalstrasse 4, 24105, Kiel, Tel.: +49 421 5973502, Email: herdegen.office@pharmakologie.uni-kiel.de

**Hermann**, Christoph, Membrane and Neurophysics, Max-Planck-Institute of Biochemistry, Am Klopferspitz 18, 82152, Martinsried/München, Tel.: +49 89 85783928, Email: hermann@biochem.mpg.de

**Herms**, Prof. Dr. Jochen, Zentrum für Neuropathologie, LMU-München, Feodor-Lynen Str. 23, 81377, München, Tel.: +49 89 218078010, Email: jochen.herms@med.uni-München.de

**Herr**, David, Institute for Neurophysiology, Westfälische Wilhelms-Universität Münster, Hamburger Str. 29, 48155, Münster, Tel.: +49 251 73177, Email: david.herr@uni-muenster.de

**Herrling**, Dipl.-Biol. Regina, Department of Neurobiology, University of Osnabrück, Barbarastr. 11, 49076, Osnabrueck, Tel.: +49 541 2882, Email: herrling@biologie.uni-osnabrueck.de

**Herrmann**, Dr. J. Michael, Inst. for Perception, Action and Behaviour, University of Edinburgh, 10 Crichton St., EH8 9AB, Edinburgh, United Kingdom, Tel.: +44 131 6517177, Email: mherrman@inf.ed.ac.uk

**Hertel**, Nicole, Friedrich-Schiller-Universität Jena, Anatomie I, Teichgraben 7, 07743, Jena, Tel.: +49 3641 938546, Email: Nicole.Hertel@mti.uni-jena.de

**Hesse**, Frank, Department of Nonlinear Dynamics, Bernstein-Center for Computational Neuroscience Göttingen, Georg-August-Universität, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 5176415, Email: frank@nld.ds.mpg.de

**Heyden**, Alexandra, Neurochemistry, Institute for Neurobiology, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263217, Email: alexandra.heyden@ifn-magdeburg.de

**Hierlemann**, Andreas, Department Biosystems Science and Engineering (BSSE), ETH Zürich, Mattenstr. 26, 4058, Basel, Switzerland, Tel.: +41 61 3873150, Email: andreas.hierlemann@bsse.ethz.ch

**Hildebrandt**, Kai Jannis, Biology Department, Humboldt-Universität zu Berlin, Invalidenstr. 43, 10115, Berlin, Tel.: +49 30 20938777, Email: jannis.hildebrandt@biologie.hu-berlin.de

**Hildebrandt**, Dr. Herbert, Cellular Chemistry, Hannover Medical School, Carl-Neuberg-Str. 1, 30625, Hannover, Tel.: +49 511 5329808, Email: hildebrandt.herbert@mh-hannover.de

**Hilgen**, Dipl.-Biol. Gerrit, Neurobiology, University of Oldenburg, Carl-von-Ossietzky-Str. 9 - 11, 26129, Oldenburg, Tel.: +49 441 7983202, Email: gerrit.hilgen@mail.uni-oldenburg.de

**Hinchliffe**, David, Biotechnology Center, Justus-Liebig-University Giessen, Leihgesterner Weg 217, 35392, Giessen, Tel.: +49 641 9916507, Email: david.hinchliffe@zbb.uni-giessen.de

**Hippe**, Sven, Department of Molecular Neurobiochemistry, Ruhr University Bochum, Universitätsstraße 150, 44801, Bochum, Tel.: +49 234 3222067, Email: sven.hippe@rub.de

**Hirnet**, Dr. Daniela, IZKF, Institut für Physiologie I, Universität Münster, Robert-Koch-Str. 27a, 48149, Münster, Tel.: +49 251 8358118, Email: hirnetd@uni-muenster.de

**Hirrlinger**, Dr. Johannes, Neural Plasticity, Interdisciplinary Centre for Clinical Research (IZKF), Inselstr. 22, 04103, Leipzig, Tel.: +49 341 9715891, Email: johannes.hirrlinger@medizin.uni-leipzig.de

**Hirtz**, Jan, Department of Biology, Animal Physiology Group, University of Kaiserslautern, Erwin-Schrödinger-Straße 13, 67663, Kaiserslautern, Tel.: +49 631 2052501, Email: jan.hirtz@biologie.uni-kl.de

**Hochleiter**, Karin, Institute of Neurobiology, University of Ulm, Albert-Einstein-Allee 11, 89069, Ulm, Tel.: +49 731 5022634, Email: karin.hochleiter@uni-ulm.de

**Hodel**, Corinne, Institute of Zoology, University of Zurich, Winterthurerstraße 190, 8057, Zürich, Switzerland, Tel.: +41 44 6354833, Email: corinne.hodel@zool.uzh.ch

**Höger**, Dr. Ulli, Dept. Physiology Biophysics, Dalhousie University, 5850 College St., B3H 1X5, Halifax, Canada, Tel.: +1 902 4942673, Email: uhoeger@dal.ca



**Hoehna**, Yvonne, Department of Pediatric Neurology, University Hospital, Technical University Dresden, Fetscherstr. 74, 01307, Dresden, Tel.: +49 351 4586881, Email: yvonne.hoehna@uniklinikum-dresden.de

**Hofer**, Dr. Sabine, Biomedizinische NMR Forschungs GmbH, Max-Planck-Institut für biophysikalische Chemie, Am Fassberg 11, 37070, Göttingen, Tel.: +49 551 2011735, Email: shofer1@gwdg.de

**Hofer**, M.Sc. Sandra, University of Bern, Institute for Infectious Diseases, Friedbühlstraße 51, 3010, Bern, Switzerland, Tel.: +41 31 6323567, Email: sandra.hofer@ifik.unibe.ch

**Hoffmann**, Prof. Dr. Klaus-Peter, Ruhr-Universität Bochum, Ruhr-Universität Bochum, Universitätsstr. 150, 44801, Bochum, Tel.: +49 234 322 4363, Email: kph@neurobiologie.ruhr-uni-bochum.de

**Hofmann**, Volker, Sinnes- und Neurobiologie, Universität Bonn, Institut für Zoologie, Poppelsdorfer Schloß, 53115, Bonn, Tel.: +49 228 735456, Email: vhofmann@uni-bonn.de

**Holbro**, Niklaus, Neuroscience, Friedrich-Miescher-Institut, Maulbeerstraße 66, 4058, Basel, Switzerland, Tel.: +41 61 6978568, Email: niklaus.holbro@fmi.ch

**Holthoff**, Prof. Dr. Knut, Neurology, Friedrich-Schiller-Universität, Erlanger Alle 101, 07747, Jena, Tel.: +49 3641 9323418, Email: knut.holthoff@med.uni-jena.de

**Homburg**, Dr. Uwe, Fachbereich Biologie, Tierphysiologie, Universität Marburg, Karl-von-Frisch-Straße 8, 35032, Marburg, Tel.: +49 6421 2823402, Email: homburg@staff.uni-marburg.de

**Honndorf**, Stefanie, Pharmakologie, Tierärztliche Hochschule Hannover, Bünteweg 17, 30559, Hannover, Tel.: +49 511 9538594, Email: stefanie.honndorf@tiho-hannover.de

**Hoon**, Mrinalini, Dept of Molecular Neurobiology, Max-Planck Institute of Experimental Medicine, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 551 3899691, Email: hoon@em.mpg.de

**Houweling**, PhD Arthur, Neuroscience, Erasmus Medical Center, Dr. Molewaterplein 50, 3015 GE, Rotterdam, Netherlands, Tel.: +31 10 7043309, Email: arthur.houweling@bccn-berlin.de

**Hovemann**, Dr. Bernhard T., Fakultät für Chemie und Biochemie, Ruhr-Universität Bochum, Universitätsstraße 150, 44780, Bochum, Tel.: +49 234 3224235, Email: bernhard.hovemann@rub.de

**Hradsky**, Johannes Vincenz, Zoology/Developmental Neurobiology, Otto-von-Guericke University, Leipziger Str. 44, Haus 91, 39120, Magdeburg, Tel.: +49 391 6755011, Email: johannes.hradsky@ovgu.de

**Hu**, Wen, Clinical Neurobiology Laboratory, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851134, Email: huwen.h@gmail.com

**Huang**, Xiaojie, MSc/PhD/MD-PhD Program in Neurosciences, Georg-August-University, Gutenbergstr. 2, Zi.9, 37075, Göttingen, Tel.: +49 176 27648846, Email: xiaohjiehuang86@gmail.com

**Huang**, Chao-Hua, Independent Junior Research Group of Biophysics of Synaptic Transmission, Max-Planck-Institute for Biophysical Chemistry, Am Fassberg 11, 37077, Göttingen, Tel.: +49 551 1770, Email: vava1002@gmail.com

**Huang**, Min, Department of Nonlinear Dynamics, Group of Theoretical Neurophysics, Max-Planck-Institute for Dynamics and Self-Organization, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 5176420, Email: min@nld.ds.mpg.de

**Hubka**, Dr. Peter, Institut für Neurophysiologie und Pathophysiologie, Universitätsklinikum Hamburg-Eppendorf, Martinistraße 52, 20246, Hamburg, Tel.: +49 40 428036505, Email: p.hubka@uke.uni-hamburg.de

**Huch**, Janina, Cellular Neurobiology, TU Braunschweig, Spielmannstr. 7, 38106, Braunschweig, Tel.: +49 531 3913229, Email: j.huch@tu-bs.de

**Huggenberger**, Dr. Stefan, Tierphysiologie, Zoologisches Institut, Universität zu Köln, Weyertal 119, 50931, Köln, Tel.: +49 221 4703101, Email: st.huggenberger@uni-koeln.de

**Husch**, Dr. Andreas, Institut of Zoology & Physiology, University of Cologne, Weyertal 119, 50931, Köln, Tel.: +49 221 4705828, Email: andreas.husch@uni-koeln.de

**Hussain**, Ashiq, Neurobiology, Institute for Genetics, University of Cologne, Zulpicher Straße 47, 50674, Köln, Tel.: +49 176 64611507, Email: zameenzad@gmail.com

**Husse**, Jana, Genes and Behavior, Max-Planck-Institut für Biophysikalische Chemie, Am Fassberg 11, 37077, Göttingen, Tel.: +49 551 2012717, Email: jhusse@gwdg.de

**Hustert**, Dr. Reinhold, JFB-Institut für Zoologie u. Anthropologie, Universität Göttingen, Berliner Str. 28, 37073, Göttingen, Tel.: +49 551 395436, Email: rhuster@gwdg.de

**Huth**, Dr. Tobias, Institute of Physiology, Medical School Christian-Albrechts-University Kiel, Olshausenstraße 40, 24098, Kiel, Tel.: +49 431 8804655, Email: t.huth@physiologie.uni-kiel.de

**Hynie**, Prof. Dr. Sixtus, Institute of Medical Biochemistry, Laboratory of Neuropharmacology, Charles University in Prague, 1st Faculty of Medicine, Albertov 4, 128 00, Prague 2, Czech Republic, Tel.: +42 2 24968142, Email: sixtus.hynie@LF1.cuni.cz

## I

**Ibzhazehibo**, Dr. Kingsley, Integrative Physiology, Gunma-University graduate school of medicine, 3-39-22 Showa Machi, 371-8511, Maebashi, Japan, Tel.: +81 27 2351424, Email: dockings22@yahoo.com

**Igelmund**, Dr. Peter, HNO-Klinik, Cochlear Implant Centrum, Uniklinik Köln, Kerpener Str. 62, 50937, Köln, Tel.: +49 221 47897018, Email: peter.igelmund@uni-koeln.de

**Ihrke**, Matthias, Bernstein Center for Computational Neuroscience Göttingen, Max-Planck-Institute for Dynamics and Self-Organization, Bunsenstraße 10, 37073, Göttingen, Tel.: +49 551 5176441, Email: mihrke@uni-Göttingen.de

**Ilango**, Anton, Bio-Future, Leibniz-Institute for Neurobiology, Brennekestraße 6, 39118, Magdeburg, Tel.: +49 391 6263344, Email: milango@ifn-magdeburg.de

**Imam**, Jonas Ché, Inst. Zellbiologie und Neurowissenschaft, Goethe-Universität Frankfurt, Siesmayerstr. 70A, 60323, Frankfurt/M., Tel.: +49 69 79824742, Email: Jonasimam@web.de

**Imbrosci**, Barbara, Department of Neurophysiology, Faculty of Medicine, Ruhr-University Bochum, Universitätsstraße 150, MA 4-156, 44801, Bochum, Tel.: +49 234 5469830, Email: barbara.imbrosci@googlemail.com

**Imholz**, Philipp J., Institute of Biology II, RWTH Aachen, Kopernikusstr. 16, 52074, Aachen, Tel.: +49 241 8024869, Email: Imholz@bio2.rwth-aachen.de

**Ionescu**, Irina, AG Nave, Max-Planck-Institut für Experimentelle Medizin, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 175 6095859, Email: ionescu@em.mpg.de

**Iqbal**, Javid, Dept. 8.3 - Bioscience-Zoology and Physiology (Neurobiology), Saarland University, 151150, 66041, Saarbrücken, Tel.: +49 681 30258136, Email: j.iqbal@mx.uni-saarland.de

**Iriki**, PhD Atsushi, Laboratory for Symbolic Cognitive Development, RIKEN Brain Science Institute, 2-1 Hirosawa, Wako-shi, 351-0198, Saitama, Japan, Tel.: +81 48 4679637, Email: iriki@brain.riken.jp

**Iwe**, Maria, Department of Pediatric Neurology, University Hospital Technical University Dresden, Fetscherstraße 74, 01307, Dresden, Tel.: +49 351 4586881, Email: Maria.iwe@uniklinikum-dresden.de

## J

**Jabs**, Dr. Ronald, Institute of Cellular Neurosciences, University of Bonn, Sigmund-Freud-Str. 25, 53105, Bonn, Tel.: +49 228 28711823, Email: ronald.jabs@ukb.uni-bonn.de

**Jacob**, Wright, Molecular NeuroBiochemistry, Ruhr-University Bochum, NC7/171, 44780, bochum, Tel.: +49 234 3225774, Email: wright.jacob@rub.de

**Jacob**, Dr. med. Simon Nikolas, Dept of Animal Physiology & Dept of Cognitive Neurology, University of Tübingen, Auf der Morgenstelle 28, 72076, Tübingen, Tel.: +49 7071 2980423, Email: simon.jacob@klinikum.uni-Tuebingen.de

**Jäckle**, Prof. Dr. Herbert, Abt. Molekulare Entwicklungsbiologie, MPI für biophysikalische Chemie, Am Fassberg 11, 37077, Göttingen

**Jähkel**, Dr. Monika, Universitätsklinikum Carl Gustav Carus der TU Dresden, Klinik für Psychiatrie und Psychotherapie, Fetscherstraße 74, 01307, Dresden, Tel.: +49 351 4584552, Email: Monika.Jaehkel@uniklinikum-dresden.de



**Jährling**, Nina, Dept. of Bioelectronics, Vienna University of Technology, Floragasse 7, 1040, Vienna, Austria, Tel.: +43 1 427762808, Email: nina.jaehrling@meduniwien.ac.at

**Jakob**, Dr. Regina, , Rehwinkel 7, 31789, Hameln, Tel.: +1 412 8748032, Email: reginajakob@hotmail.com

**Jakoby**, Patrick, Allgemeine Zoologie, TU Kaiserslautern, P.B. 3049, 67653, Kaiserslautern, Tel.: +49 631 2053518, Email: p.jakoby@biologie.uni-kl.de

**Janmey**, PhD Paul, Institute for Medicine and Engineering, University of Pennsylvania, 3340 Smith Walk, 19104, Philadelphia, USA, Tel.: +1 215 5737380, Email: janmey@mail.med.upenn.edu

**Janssen-Bienhold**, Prof. Dr. Ulrike, Department of Neurobiology, University of Oldenburg, Carl-von-Ossietzky Str., 26111, Oldenburg, Tel.: +49 441 7983419, Email: ulrike.janssen.bienhold@uni-oldenburg.de

**Jarosch**, Marlene Sofie, Institute for Neurophysiology, Johannes-Müller-Centre for Physiology, Tucholskystraße 2, 10117, Berlin, Tel.: +49 30 450528149, Email: marlene.jarosch@charite.de

**Jarowyj**, Joël, Neuroanatomie, Institut für Anatomie und Zellbiologie, Albertstraße, 17, 79104, Freiburg im Breisgau, Tel.: +49 761 2035058, Email: joel.jarowyj@venus.uni-freiburg.de

**Jarriault**, PhD David, UMR 1272 Physiologie de l'Insecte, INRA, Route de Saint-Cyr, 78000, Versailles, France, Tel.: +331 30 833112, Email: djarriault@versailles.inra.fr

**Jarvis**, Sarah Jane, Ulrich Egert, Berstein-Center for Computational Neuroscience Freiburg, Hansastraße 9A, 79104, Freiburg im Breisgau, Tel.: +49 761 2039318, Email: jarvis@bccn.uni-freiburg.de

**Jauch**, Mandy, Genetics and Neurobiology, University of Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 931 8884477, Email: mandy.jauch@gmx.de

**Jaumann**, Mirko, Tübinger Hearing Research Centre, University of Tübingen, Elfriede-Aulhorn-Str. 5, 72072, Tübingen, Tel.: +49 7071 2988261, Email: mi.jau@web.de

**Jensen**, Dr. Ole, Centre for Cognitive Neuroimaging, Donders Institute for Brain, Cognition and Behaviour, PO Box 9101, 6500HB, Nijmegen, Netherlands, Tel.: +31 24 3610884, Email: ole.jensen@donders.ru.nl

**Jia**, Hongbo, Institut für Neurowissenschaften, Technische Universität München, Biedersteinerstr. 29, 80802, München, Tel.: +49 89 41 403367, Email: hongbo.jia@lrz.tu-München.de

**Jiang**, Wei, Stereotactic Neurosurgery, Laboratory of Molecular Neurosurgery, Neurocentre, University Hospital Freiburg, Breisacher Straße 67, 79106, Freiburg, Tel.: +49 761 2705046, Email: matthias\_jiang@hotmail.com

**Jing**, PhD Xingjian, Institute of Sound and Vibration Research, University of Southampton, University of Southampton, SO17 1BJ, Southampton, United Kingdom, Tel.: +44 2380 594943, Email: x.jing@soton.ac.uk

**Joachimsthaler**, Bettina, Institute for Neurobiology, University of Ulm, Albert-Einstein-Allee 11, 89081, Ulm, Tel.: +49 731 5022632, Email: bjoach@web.de

**Jöpen**, Cathrin, Department of Psychiatry and Psychotherapy, University of Cologne, Kerpener Str. 62, 50924, Köln, Tel.: +49 221 4726218, Email: joepen@ecnp.net

**Johanning**, Dr. Friedrich W., NWFZ, Charité University Medicine Berlin, Charitéplatz 1, 10117, Berlin, Tel.: +49 30 450539004, Email: friedrich.johanning@charite.de

**John**, PhD Nora, Neurochemistry, Leibniz Institute for Neurobiology, Brenneckestraße 6, 39118, Magdeburg, Tel.: +49 391 6263217, Email: Nora.John@ifn-magdeburg.de

**Jonas**, Prof. Dr. Peter, Department I, Physiological Institute, Engesser Str. 4, 79108, Freiburg, Tel.: +49 761 2035150, Email: Peter.Jonas@physiologie.uni-freiburg.de

**Juckel**, Prof. Dr. med. Georg, Psychiatry, Ruhr University Bochum, Alexandrinenstr. 1, 44791, Bochum, Tel.: +49 234 5077201, Email: georg.juckel@wkp-lwl.org

**Jüngling**, Dr. Kay, Institut für Physiologie I, Westfälische Wilhelms-Universität Münster, Robert-Koch-Str 27a, 48149, Münster, Tel.: +49 2324 990673, Email: kay.juengling@gmx.de



**Jung**, Sarah Nicola, Department of Systems and Computational Neurobiology, Max Planck Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783286, Email: snjung@neuro.mpg.de

**Jung**, Fabienne, Multimodal Imaging, Max-Planck-Institute for Neurological Research, Gleueler Str. 50, 50931, Köln, Tel.: +49 221 4726218, Email: fabienne.jung@nf.mpg.de

**Juárez Paz**, M.Sc. León Mauricio, Sensory Physiology, Carl-von-Ossietzky-Universität Oldenburg, Carl-von-Ossietzky-Str. 9-11, 26122, Oldenburg, Tel.: +49 411 7983314, Email: l.m.juarez.paz@uni-oldenburg.de

## K

**Kaczmarczyk**, Lech, Institute of Cellular Neurosciences, University of Bonn, Sigmund-Freud-Str. 25, 53105, Bonn, Tel.: +49 228 28714570, Email: lech.kaczmarczyk@ukb.uni-bonn.de

**Kafitz**, Dr. Karl W., Institute for Neurobiology, Heinrich-Heine-University, Universitätsstr. 1, 40225, Düsseldorf, Tel.: +49 211 8113486, Email: kafitz@uni-duesseldorf.de

**Kahlert**, Ulf Dietrich, Department of Stereotactic Neurosurgery, Laboratory Molecular Neurosurgery, Breisacher Straße 64, 79106, Freiburg, Tel.: +49 761 2705009, Email: ulf-dietrich.kahlert@uniklinik-freiburg.de

**Kaiser**, Maria Katharina, Zoologie, TUM Wissenschaftszentrum Weihenstephan, Hochfeldweg 2, 85350, Freising, Tel.: +49 8161 712801, Email: MariaKatharina.Kaiser@gmx.de

**Kaiser**, Philipp, Zell- und Neurobiologie, Universität Karlsruhe, Haid-und-Neustr. 9, 76131, Karlsruhe, Tel.: +49 721 6088172, Email: philipp.kaiser@bio.uka.de

**Kalil**, PhD Katherine, Anatomy, University of Wisconsin-Madison, 1300 University Avenue, 53706, Madison, Wisconsin, USA, Tel.: +1 608 2628902, Email: kakalil@facstaff.wisc.edu

**Kalisch**, Dr. Tobias, Institut für Neuroinformatik, Lehrstuhl für Theoretische Biologie, Ruhr-Universität Bochum, Universitätsstraße 150, 44780, Bochum, Tel.: +49 234 3224931, Email: tobias.kalisch@rub.de

**Kallerhoff**, Philipp, Neural information processing group, TU Berlin, Winsstr. 6, 10405, Berlin, Tel.: +49 171 8313289, Email: pkaller@gmail.com

**Kallur**, Dr. Thérèse, In-Vivo-NMR Laboratory, Max-Planck-Institute for Neurological Research, Gleuelerstr. 50, 50931, Köln, Tel.: +49 151 53206795, Email: therese.kallur@nf.mpg.de

**Kamikouchi**, PhD Azusa, School of Science, Tokyo University of Pharmacy and Life Sciences, 1432-1, Horinouchi, Hachioji, 192-0392, Tokyo, Japan, Tel.: +81 42 6768963, Email: akamikou@ls.toyaku.ac.jp

**Kaminiaz**, Andre, Neurophysik, Philipps-Universität Marburg, Renthof 7, 35037, Marburg, Tel.: +49 6421 2825683, Email: andre.kaminiaz@physik.uni-marburg.de

**Kampa**, PhD Bjoern, Brain Research Institute, University of Zurich, Winterthurerstr. 190, 8057, Zürich, Switzerland, Tel.: +41 44 6353342, Email: kampa@hifo.uzh.ch

**Kandler**, Steffen, Bernstein Center for Computational Neuroscience, University of Freiburg, Hansasträße 9a, 79104, Freiburg, Tel.: +49 761 2039529, Email: steffen.kandler@bccn.uni-freiburg.de

**Kapfer**, Dr. Christoph, Department of Systems & Computational Neurobiology, Max-Planck-Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783282, Email: ckapfer@neuro.mpg.de

**Kapustjanskij**, Alexander, Dept. of Genetics and Neurobiology, Julius-Maximilians-University of Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 888 4481, Email: alexander.kapustjanskij@biozentrum.uni-wuerzburg.de

**Karl**, Anett, Pathophysiology of Neuroglia, Paul Flechsig Institute of Brain Research, Jahnallee 59, 04109, Leipzig, Tel.: +49 341 9725795, Email: Anett.Karl@medizin.uni-leipzig.de

**Karpova**, Dr. Anna, PG Neuroplasticity, Leibniz-Institute for Neurobiology, Brenneckestraße 6, 39118, Magdeburg, Tel.: +49 391 6263710, Email: akarpova@ifn-magdeburg.de



**Karrenbauer**, Dipl.-Psych. Britta D., Institut of Psychology, Physiological Psychology, Philipps-University of Marburg, Gutenbergstr. 18, 35037, Marburg, Tel.: +49 6421 2823678, Email: karrenbb@staff.uni-marburg.de

**Karus**, Michael, Cellmorphology & Molecular Neurobiology, Ruhr-University Bochum, Universitätsstraße 150, 44801, Bochum, Tel.: +49 234 3224312, Email: michael.karus@rub.de

**Kattenstroth**, Jan-Christoph, Institut für Neuroinformatik, Lehrstuhl für Theoretische Biologie, Ruhr-Universität Bochum, Universitätsstraße 150, 44780, Bochum, Tel.: +49 234 3224931, Email: Jan-Christoph.Kattenstroth@ruhr-uni-bochum.de

**Katz**, Efrat, Koret School of Veterinary Medicine, The Hebrew University of Jerusalem, P.O.Box 12, 76100, Rehovot, Israel, Tel.: +972 8 9766877, Email: efrathaim@gmail.com

**Keary**, Dipl.-Biol. Nina, Neuroethology, Bielefeld University, Morgenbreede 45, 33615, Bielefeld, Tel.: +49 521 1062712, Email: nina.keary@uni-bielefeld.de

**Keil**, M.Sc. Wolfgang, Theoretical Neurophysics Group, MPI for Dynamics and Self-Organization, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 495515176551, Email: wolfgang@nld.ds.mpg.de

**Kelber**, Christina, Behavioral Physiology and Sociobiology, University of Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 931 8884336, Email: Christina.Kelber@biozentrum.uni-wuerzburg.de

**Kerschbaum**, Prof. Dr. Hubert H., Department of Cell Biology, University of Salzburg, Hellbrunnerstr. 34, 5020, Salzburg, Austria, Tel.: +43 662 80445667, Email: hubert.kerschbaum@sbg.ac.at

**Kettenmann**, Prof. Dr. Helmut, Cellular Neurosciences, Max-Delbrück-Center for Molecular Medicine (MDC), Rober-Rössle-Str. 10, 13092, Berlin, Tel.: +49 30 94062806, Email: kettenmann@mdc-berlin.de

**Khan**, Hassan Munir, General Medicine, Sumy State Medical University, Kharkovskaya 9 Kvartal 23, 40024, Sumy, Ukraine, Tel.: +380 93 9323418, Email: hmk20009@yahoo.com

**Khoury**, Leila, Division of Neurobiology, Ludwig-Maximilian-Universität München, Grosshaderner Straße 2, 82152, Martinsried, Tel.: +49 89 218074369, Email: khouri@bio.lmu.de

**Kiebler**, Dr. Michael A., Neuronal Cell Biology, Medical University of Vienna, Center for Brain Research, Spitalgasse 4, 1090, Wien, Austria, Tel.: +43 1 427762920, Email: michael.kiebler@meduniwien.ac.at

**Kielblock**, Hinrich, Network Dynamics Group, Max-Planck-Institute for Dynamics & Self-Organization, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 5176428, Email: hinrich@nld.ds.mpg.de

**Kienitz**, PhD Bastian, Institut für Zoologie III (Neurobiologie), Johannes-Gutenberg-Universität Mainz, Colonel-Kleinmann-Weg 2, 55099, Mainz, Tel.: +49 6131 3922496, Email: basse2702@web.de

**Kieselmann**, Dipl.-Ing Olga, Institut of Cell- and Neurobiology, Charité Universitätsmedizin Berlin, Philippstraße 12, 10115, Berlin, Tel.: +49 30 450528043, Email: olga.kieselmann@charite.de

**Kilb**, Dr. Werner, Institute of Physiology and Pathophysiology, Johannes-Gutenberg-Universität, Duesbergweg 6, 55128, Mainz, Tel.: +49 6131 3926101, Email: wkilb@uni-mainz.de

**Kindler**, Jennifer, Experimental Otolaryngology, University of Erlangen-Nürnberg, Waldstr. 1, 91056, Erlangen, Tel.: +49 9131 8543853, Email: Jennifer.Kindler@uk-erlangen.de

**Kindler**, Dr. Stefan, Institute for Human Genetics, University Medical Center Hamburg-Eppendorf, Martinistraße 52, 20246, Hamburg, Tel.: +49 40 428039119, Email: kindler@uke.uni-hamburg.de

**Kirchhoff**, Dr. Frank, Neurobiology, Max-Planck-Institute of Experimental Medicine, Hermann-Rein-Straße 3, 37075, Göttingen, Tel.: +49 551 3899770, Email: kirchhoff@em.mpg.de

**Kirischuk**, PhD Sergei, Developmental Physiology, Institute of Neurophysiology, Tucholskystr. 2, 10117, Berlin, Tel.: +49 30 450528102, Email: sergei.kirischuk@charite.de

**Kirsch**, Dr. rer. nat. Matthias, Anat. & Cell Biol., Neuroanat., Univ. Freiburg, Albertstr. 23, 79104, Freiburg, Tel.: +49 761 2035381, Email: matthias.kirsch@zfn.uni-freiburg.de

**Kirst**, Christoph, Network Dynamics Group, Max-Planck-Institute for Dynamics and Self-Organization, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 5176551, Email: christoph@nld.ds.mpg.de

**Kiszler**, Gabor, General Zoology, University of Pecs, Ifjúság útja 6., 7604, Pecs, Hungary, Tel.: +36 72 503634, Email: kizslerg@gmail.com

**Kittel**, Dr. Robert J. <, Abteilung I, Carl-Ludwig-Institut für Physiologie, Universität Leipzig, Liebigstr. 27, 04103, Leipzig, Tel.: +49 931 20144055, Email: kittel@medizin.uni-leipzig.de

**Klaes**, Christian, Bernstein-Center of Computational Neuroscience, Sensorimotor Group, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851360, Email: cklaes@gwdg.de

**Klauke**, Susanne, Department of Neurophysics, Philipps-University Marburg, Renthof 7, 35032, Marburg, Tel.: +49 6421 2824163, Email: susanne.klauke@physik.uni-marburg.de

**Kleele**, Tatjana, Department Biology II Neurobiology, Ludwig-Maximilians-University Munich, Großhaderner Str. 2, 82152, Planegg-Martinsried, Tel.: +49 89 218074357, Email: tkleele@neuro.mpg.de

**Klein**, Adrian Thomas, Institut für Zoologie, Universität Bonn, Poppelsdorfer Schloss, 53115, Bonn, Tel.: +49 1577 5246813, Email: adrian@uni-bonn.de

**Kleindienst**, Thomas, Synapse & Network Development, Netherlands Institute for Neuroscience, Meibergdreef 47, 1105BA, Amsterdam, Netherlands, Tel.: +31 20 5665079, Email: t.kleindienst@nin.knaw.nl

**Klempahn**, M.Sc. Katrin, Neurobiologie, Universität Osnabrück, Barbarastraße 11, 49076, Osnabrück, Tel.: +49 541 9692882, Email: katrin.klempahn@biologie.uni-osnabrueck.de

**Klenerova**, Vera, Institute of Medical Biochemistry, Laboratory of Neuropharmacology, Charles University in Prague, 1st Faculty of Medicine, Albertov 4, 128 00, Prague 2, Czech Republic, Tel.: +42 224968166, Email: vera.klenerova@LF1.cuni.cz

**Kletke**, Dipl.-Biol. Olaf, Cellphysiology, Ruhr University Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 170 9610442, Email: Olaf.Kletke@rub.de

**Klette**, Corinna, Project group Neuropharmacology, Leibniz Institute for Neurobiology, Brennekestraße 6, 39118, Magdeburg, Tel.: +49 391 6117503, Email: corinna.klette@zenit-magdeburg.de

**Klingenhofer**, Steffen, Neurophysics, Philipps-University Marburg, Renthof7, 35037, Marburg, Tel.: +49 6421 2824115, Email: steffen.klingenhofer@physik.uni-marburg.de

**Klinke**, Ina, Institut für Neurobiologie, Freie Universität Berlin, Königin-Luise-Straße 28/30, 14195, Berlin, Tel.: +49 30 83859902, Email: Ina.Klinke@gmx.de

**Kluczniok**, Dorothea, Faculty of Science, Department of Psychology, TU-Dresden, Sebnitzer Str. 21, 01099, Dresden, Tel.: +49 351 5636180, Email: dkluczniok@aol.com

**Kludt**, Eugen, Abtl. Neurophysiologie und Zelluläre Biophysik, Universität Göttingen, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 395937, Email: ekludt@gwdg.de

**Klugmann**, Fanny, Neuroanatomy, Center for Anatomy-University of Göttingen, Kreuzberggring 36, 37075, Göttingen, Tel.: +49 551 397064, Email: FannyKlugmann@gmx.de

**Klump**, Dr. Georg, Animal Physiology & Behavior, Oldenburg University, Carl-von-Ossietzky-Str. 9-11, 26129, Oldenburg, Tel.: +49 441 7983400, Email: georg.klump@uni-oldenburg.de

**Knaden**, Dr. Markus, Evolutionary Neuroethology, Max-Planck-Institute for Chemical Ecology, Hans-Knöll-Straße 8, 07745, Jena, Tel.: +49 3641 571421, Email: mknaden@ice.mpg.de

**Knipp**, Sabine, Physiologisches Institut - Abt. Zellbiologie, Tierärztliche Hochschule Hannover, Bischofsholer Damm 15/102, 30173, Hannover, Tel.: +49 511 8567768, Email: sabine.knipp@tiho-hannover.de

**Knodel**, Dr. rer. nat. Markus M., Goethe-Center for Scientific Computing & BGCN Heidelberg, Frankfurt University, Kettenhoferweg 139, 60325, Frankfurt/M., Tel.: +49 6221 548877, Email: markus.knodel@iwr.uni-heidelberg.de

**Knöll**, Jonas, Neurophysik, Philipps-University Marburg, Renthof 7, 35037, Marburg, Tel.: +49 6421 2827075, Email: jonas.knoell@physik.uni-marburg.de

**Knöll**, Dr. Bernd, Interfaculty Institute for Cell Biology / Dep. molecular biology, University of Tübingen, Auf der Morgenstelle 15, 72076, Tübingen, Tel.: +49 7071 2978843, Email: bernd.knoell@uni-tuebingen.de

**Knop**, Dr. Gabriel Christian, Department of Neurobiology, University of Oldenburg, Carl-von-Ossietzky-Straße, 26111, Oldenburg, Tel.: +49 441 7983425, Email: gabriel.knop@uni-oldenburg.de



**Knopp**, Cordula, Institute of Experimental and Clinical Pharmacology and Toxicology, University of Lübeck, Ratzeburger Allee 160, 23538, Lübeck, Tel.: +49 451 2681, Email: Cordula.Knopp@gmx.de

**Kobe**, Fritz, Neuro- und Sinnesphysiologie, Georg-August-Universität Göttingen, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 3912198, Email: fkobe@gwdg.de

**Koch**, Prof. Dr. Michael, Dept. of Neuropharmacology, Brain Research Institute, University of Bremen, POB 330440, 28334, Bremen, Tel.: +49 421 21862970, Email: michael.koch@uni-bremen.de

**Koch**, Dennis, Inst. of Biochemie I, FSU Jena, School of Medicine, Nonnenplan 2, 07743, Jena, Tel.: +49 3641 938637, Email: dennis.koch@mti.uni-jena.de

**Koch**, Susanne, Clinical Neurobiology Laboratory, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851134, Email: sanne-koch@gmx.de

**Koch**, Jan Christoph, Neurology, Göttingen University, Robert-Koch-Str. 40, 37075, Göttingen, Tel.: +49 176 21136026, Email: jkoch@med.uni-göttingen.de

**Koch**, Holger, Institute of Pharmacology and Toxicology, University of Leipzig, Haertelstraße 16-18, 04107, Leipzig, Tel.: +49 341 9713007, Email: holger.koch@medizin.uni-leipzig.de

**Koerte**, Dipl.-Bio Martin, Development and Maintenance of the Nervous System, ZMNH, Falkenried 95, 20251, Hamburg, Tel.: +49 40 428035349, Email: martin.koerte@zmnh.uni-hamburg.de

**Kohl**, Johannes, Molecular Biology & Biochemistry, IfN Magdeburg, Sternstraße 29, 39104, Magdeburg, Tel.: +49 176 83033097, Email: vendredi\_13@gmx.de

**Kohl**, Tobias, Department of Zoology, University of Bonn, Poppelsdorfer Schloß, 53115, Bonn, Tel.: +49 228 735476, Email: t.kohl@uni-bonn.de

**Kohrs**, Christin, Special Lab Non-invasive brain imaging, Leibniz Institute for Neurobiology, Brennekestr. 6, 39118, Magdeburg, Tel.: +49 391 6263122, Email: ckohrs@ifn-magdeburg.de

**Koleski**, Dipl.-Inform. Aleksander, Department of Biology, Biokybernetik, University of Hamburg, Vogt-Kölln-Str. 30, 22527, Hamburg, Tel.: +49 179 2357041, Email: koleski@biokybernetik.uni-hamburg.de

**Kollmann**, PhD Martin Helmut Georg, Dept. Biology-Animal Physiology, Philipps-University Marburg, Karl-von-Frisch-Straße 8, 35043, Marburg, Tel.: +49 6421 2823475, Email: Kollmann@student.uni-marburg.de

**Kolodziej**, Angela, BioFuture Research Group, Leibniz Institute for Neurobiology, Brennekestraße 6, 39118, Magdeburg, Tel.: +49 391 6263323, Email: angela.kolodziej@ifn-magdeburg.de

**Koniszewski**, PhD Nikolaus Bernhard Di, JFIBZA; Dep. of Developmental Biology, Georg August University Göttingen, Justus-von-Liebig-Weg 11, 37077, Göttingen, Tel.: +49 551 3910124, Email: nkonisz@gwdg.de

**Kopell**, Prof. Nancy, Dep. of Mathematics and Center for Biodynamics, Boston University, 111 Cummington Street, MA, 02215, Boston, USA, Tel.: +1 617 3535210, Email: nk@math.bu.edu

**Kopp**, M.Sc. Valentina, IGSN, Ruhr-Uni-Bochum, Adolfstraße 50, 45468, Mülheim an der Ruhr, Tel.: +49 208 6946956, Email: valentina.kopp@web.de

**Korsching**, Prof. Dr. Sigrun, Institut für Genetik, Universität Köln, Zülpicher Str. 47, 50674, Köln, Tel.: +49 221 470 4843, Email: sigrun.korsching@uni-koeln.de

**Korte**, Prof. Dr. Martin, Cellular Neurobiology, TU Braunschweig, Spielmannstr. 7, 38106, Braunschweig, Tel.: +49 531 3913220, Email: m.korte@tu-bs.de

**Korz**, Dr. Volker, Neurophysiology, Leibniz Institute for Neurobiology, Brennekestr. 6, 39118, Magdeburg, Tel.: +49 391 6263427, Email: korz@ifn-magdeburg.de

**Kowalski**, Dr. Janina, Inst. Anat. Cell Biol, BCCN, Univ. Freiburg, Hansastr. 9A, 79104, Freiburg, Tel.: +49 761 2039513, Email: kowalski@bccn.uni-freiburg.de

**Kozyrev**, Dr. Vladislav, Cognitive Neuroscience Laboratory, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851355, Email: vkozyrev@dpz.gwdg.de

**Krämer**, Stefanie, Department of Biology, Behavioural Physiology, Humboldt-Universität zu Berlin, Invalidenstraße 43, 10115, Berlin, Tel.: +49 30 20938729, Email: stefanie.kraemer@biologie.hu-berlin.de

**Krajciová**, M.Sc. Gabriela, Molecular and cellular neurobiology, Institute of Neuroimmunology of Slovak Academy of Sciences, Dubravská cesta 9, 84510, Bratislava, Slovakia, Tel.: +42 2 54788100, Email: gabriela.krajciová@savba.sk

**Krause**, Dr. Martin, General Zoology and Neurobiology, Ruhr-University Bochum, Universitätsstraße 150, 44870, Bochum, Tel.: +49 234 3228343, Email: krause@neurobiologie.rub.de

**Krebs**, Dr.med. Simone, Stereotactic Neurosurgery, University Freiburg, Breisacher Str. 64, 79106, Freiburg, Tel.: +49 761 2709302, Email: simone.krebs@uniklinik-freiburg.de

**Kreile**, M.Sc. Anne Kristina, Zelluläre und Systemische Neurobiologie, Max-Planck-Institut für Neurobiologie, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783671, Email: anne.kreile@neuro.mpg.de

**Kreissl**, Dr. Sabine, Department of Biology, University of Konstanz, M624, 78457, Konstanz, Tel.: +49 7531 882106, Email: s.kreissl@uni-konstanz.de

**Kreissl**, Michael, NLD, MPIDS Göttingen, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 5176550, Email: kreissl@nld.ds.mpg.de

**Kremkow**, Jens, DyVA, Institut de Neurosciences Cognitives de la Méditerranée - CNRS, 31 chemin Joseph Aiguier, 13402, Marseille, France, Tel.: +331 491 164653, Email: kremkow@biologie.uni-freiburg.de

**Krempler**, Katja, AG Löwel, Institut für allgemeine Zoologie und Tierphysiologie, Erbertstraße 1, 07743, Jena, Tel.: +49 3641 49133, Email: katja.krempler@uni-jena.de

**Kresse**, Dr. Adelheid, Pasthophysiology-Molecular Neuroscience, Medical University Graz, Heinrichstraße 31a, 8010, Graz, Austria, Tel.: +43 664 4426584, Email: adelheid.kresse@meduni-graz.at

**Kretschmer**, Friedrich, Sensory Physiology, Carl-von-Ossietzky University Oldenburg, Carl-von-Ossietzky-Straße 9 - 11, 26111, Oldenburg, Tel.: +49 441 7983339, Email: friedrich.kretschmer@uni-oldenburg.de

**Kretzberg**, Dr. Jutta, Sensory Physiology, University of Oldenburg, Carl-von-Ossietzky-Str. 9-11, 26111, Oldenburg, Tel.: +49 441 7983314, Email: jutta.kretzberg@uni-oldenburg.de

**Kreul**, Florian, Biotechnology Centre, Justus-Liebig-University Gießen, Leihgesterner Weg 217, 35392, Gießen, Tel.: +49 641 9916505, Email: florian.kreul@gmx.de

**Kreutz**, Dr. Michael R., PG Neuroplasticity, Leibniz Institute for Neurobiology, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263518, Email: kreutz@ifn-magdeburg.de

**Kreutzberg**, Prof. Dr. med. Georg W., Neuromorphologie Emeritus, Max-Planck-Institut für Neurobiologie, Am Klopferspitz 18, 82152, Planegg-Martinsried, Tel.: +49 89 85783650, Email: gwk@neuro.mpg.de

**Kreutzfeldt**, PhD Mario, Neuropathologie, Uniklinik Göttingen, Robert-Koch-Str. 40, 37075, Göttingen, Tel.: +49 551 398468, Email: Mario.Kreutzfeldt@medizin.uni-Göttingen.de

**Kriegebaum**, Claudia Brigitte, Department of Psychiatry and Psychotherapy, Molecular and Clinical Psychobiology, Fuchsleinstraße 15, 97080, Würzburg, Tel.: +49 931 20177300, Email: kriegebaum\_c@klinik.uni-Wuerzburg.de

**Krieger**, Dr. Jürgen, Institute of Physiology, University of Hohenheim, Garbenstr. 30, 70599, Stuttgart, Tel.: +49 711 45922265, Email: krieger@uni-hohenheim.de

**Kriegstein**, Dr. Kerstin, Molecular Embryology, University of Freiburg, Albertstr. 17, 79104, Freiburg, Tel.: +49 761 2035087, Email: kerstin.kriegstein@anat.uni-freiburg.de

**Kriener**, Dr. Birgit, Network Dynamics Group, MPI for Dynamics and Self-Organisation, Bunsenstr.10, 37073, Göttingen, Tel.: +49 551 5176560, Email: kriener@nld.ds.mpg.de

**Kröger**, Prof. Dr. Stephan, Neurophysiology, Ludwig-Maximilians-Universität, Schillerstraße 46, 80336, München, Tel.: +49 89 218075526, Email: skroeger@lmu.de

**Kroker**, PhD Katja Sabine, Behavioral Physiology and Sociobiology, University of Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 176 23320082, Email: Katja\_Kroker@yahoo.de

**Kromer**, Thomas, Psychiatrische Institutsambulanz, Münsterklinik Zwiefalten, Hauptstraße 9, 88529, Zwiefalten, Tel.: +49 731 4013211, Email: thomas.kromer@zfp-zwiefalten.de

**Kron**, Dr. Miriam, Zentrum Physiologie und Pathophysiologie, Universität Göttingen, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 399593, Email: mkron@gwdg.de



**Krügel**, Dr. Ute, Institute of Pharmacology and Toxicology, University of Leipzig, Haertelstraße 16-18, 04107, Leipzig, Tel.: +49 341 9713007, Email: ute.kruegel@medizin.uni-leipzig.de

**Krueger**, Marie Therese, Institut für Anatomie und Zellbiologie, Albert-Ludwigs-Universität Freiburg, Albertstr. 17, 79104, Freiburg, Tel.: +49 761 2039526, Email: marie.krueger@mac.com

**Krugers**, Dr. Harmen J., SILS-CNS, Universiteit van Amsterdam, Kruislaan 320, 3573 AW, Amsterdam, Netherlands, Tel.: +31 20 5257621, Email: h.krugers@uva.nl

**Krupp**, Alexander J., Synaptic Receptor Trafficking, Max Planck Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783690, Email: krupp@neuro.mpg.de

**Kuang**, Shenbing, Sensorimotor group, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851360, Email: skuang@gwdg.de

**Kudolo**, John, Department of Neurophysiology, Leibniz-Institute for Neurobiology, Brenneckestraße 6, 39118, Magdeburg, Tel.: +49 391 6263429, Email: jkudolo@ifn-magdeburg.de

**Kuebler**, Linda S., Dpt. Evolutionary Neuroethology, Max-Planck-Institute for Chemical Ecology, Hans-Knöll-Str. 8, 07745, Jena, Tel.: +49 3641 571455, Email: lkuebler@ice.mpg.de

**Külz**, Gabriele B., Experimental and Physiological Psychology, Philipps-University Marburg, Gisselberger Str. 2, 35037, Marburg, Tel.: +49 6421 6970386, Email: Kuelz@students.uni-marburg.de

**Künzel**, Dr. Thomas, Institut für Biologie 2, RWTH Aachen University, Kopernikusstr. 16, 52066, Aachen, Tel.: +49 241 8027773, Email: kuenzel@bio2.rwth-aachen.de

**Künzel**, Silke, Department of Comparative Neurophysiology, Institute of Zoology, University of Bonn, Poppelsdorfer Schloss, 53115, Bonn, Tel.: +49 228 739715, Email: sfest@uni-bonn.de

**Kulik**, Dr. Akos, Department of Neuroanatomy, Institute of Anatomy and Cell Biology, Albertstr. 17, 79104, Freiburg, Tel.: +49 761 2035078, Email: akos.kulik@anat.uni-freiburg.de

**Kullmann**, Jan, Neurobiology/Neurophysiology Group, University Kaiserslautern, Erwin-Schrödinger-Str. 13, 67663, Kaiserslautern, Tel.: +49 631 2055004, Email: jankullm@rhrk.uni-kl.de

**Kunkel**, Susanne, Albert-Ludwigs-University, Bernstein-Center for Computational Neuroscience, Hansastr. 9a, 79104, Freiburg i. Br., Tel.: +49 761 2039319, Email: kunkel@bccn.uni-freiburg.de

**Kunst**, Dr. Michael, Department of Cellular and Molecular Physiology, Yale University School of Medicine, 333 Cedar Street, 6511, New Haven, USA, Tel.: +1 203 7372912, Email: michael.kunst@yale.edu

**Kuokkanen**, M.Sc. Paula Tuulia, Institute for Theoretical Biology, Humboldt-Universität zu Berlin, Invalidenstr. 43, 10115, Berlin, Tel.: +49 30 20938633, Email: p.kuokkanen@biologie.hu-berlin.de

**Kurbjeweit**, Lisa-Maria, AG, Studienstiftung des deutschen Volkes e.V., Horstmarar Landweg 86, 48149, Münster, Tel.: +49 251 3821356, Email: lisa.kurbjeweit@uni-muenster.de

**Kurt**, Dr. Simone, Institute of Neurobiology, University Ulm, Albert-Einstein-Allee 11, 89081, Ulm, Tel.: +49 731 5022628, Email: simone.kurt@uni-ulm.de

**Kurtenbach**, M.Sc. Stefan, Cellphysiology, Ruhr-University Bochum, Universitätsstr. 150, 44801, Bochum, Tel.: +49 234 3228104, Email: Stefan.Kurtenbach@rub.de

**Kurtz**, Dr. Rafael, Neurobiologie, Universität Bielefeld, P.O. Box 100131, 33501, Bielefeld, Tel.: +49 521 1065577, Email: rafael.kurtz@uni-bielefeld.de

**Kutzki**, Olaf, Biology, Humboldt Universität zu Berlin, Invalidenstr. 43, 10115, Berlin, Tel.: +49 30 20938799, Email: Olaf.kutzki@web.de

**Kuznicki**, Prof. Jacek Marcei, Laboratory of Neurodegeneration, International Institute of Molecular and Cell Biology, 4 Ks. Trojdena Street, 02-109, Warsaw, Poland, Tel.: +48 22 5970700, Email: dominikad@iimcb.gov.pl

**Kvashnina**, Dr. Elena, Cortical Development, MPI for Experimental Medicine, Hermann-Rein-Str.3, 37075, Göttingen, Tel.: +49 551 3899372, Email: lenakvashnina@yahoo.de

## L

**Lakes-Harlan**, Dr. Reinhard, AG Integrative Sensory Physiology, Institut für Tierphysiologie, Wartweg 95, 35392, Gießen, Tel.: +49 641 9935270, Email: reinhard.lakes-harlan@uni-giessen.de

**Lambacher**, Dr. Armin, Dept. Membrane and Neurophysics, Max-Planck-Institute for Biochemistry, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783926, Email: lambache@biochem.mpg.de

**Lammert**, Katja, Physiology, Olshausenstraße 40, 24098, Kiel, Tel.: +49 430 8804655, Email: 44Katja82@gmx.de

**Langer**, Julia, Institute for Neurobiology, Heinrich-Heine-University Düsseldorf, Universitätsstr. 1, 40225, Düsseldorf, Tel.: +49 211 8113584, Email: J.Langer@uni-duesseldorf.de

**Larkum**, PhD Matthew Evan, Institute for Physiology, University of Bern, Bühlplatz 5, CH-3012, Bern, Switzerland, Tel.: +41 31 6318718, Email: matthew.larkum@gmail.com

**Lau**, Dr. Thorsten, Biochemisches Labor, Zentralinstitut für Seelische Gesundheit, J5, 68159, Mannheim, Tel.: +49 621 17032906, Email: thorsten.lau@zi-mannheim.de

**Laugwitz**, Lucia, , Auenstraße 14, 80469, München, Tel.: +49 176 62014227, Email: lucia.laugwitz@web.de

**Lauritzen**, Prof. Martin, Clinical Neurophysiology, University of Copenhagen, Nordre Ringvej 57, 2600, Glostrup, Denmark, Tel.: +45 43 232500, Email: marlau03@glo.regionh.dk

**Lautemann**, Dr. Nico, Biology II, Dep. of Zoology and Animal Physiology, RWTH Aachen, Kopernikusstr. 16, 52056, Aachen, Tel.: +49 241 8024851, Email: nico@bio2.rwth-aachen.de

**Lavista Llanos**, PhD Sofia, Evolutionary Neuroethology, Max-Planck-Institute for Chemical Ecology, Hans-Knöll-Str. 8, 07745, Jena, Tel.: +49 3641 571466, Email: slavista-llanos@ice.mpg.de

**Le**, Quyen, Institut für Neurale Signalverarbeitung, Universitätsklinikum Hamburg-Eppendorf, Zentrum für Molekulare Neurobiologie, Falkenried 93, 20251, Hamburg, Tel.: +49 40 428036651, Email: quyen.le@zmnh.uni-hamburg.de

**Le Meur**, Dr. Karim, Neurogenetics, Max Plank Institut of Experimental Medicine, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 551 3899504, Email: lemeur@em.mpg.de

**Legenstein**, Dr. Robert, Institute for Theoretical Computer Science, Technische Universität Graz, Inffeldgasse 16b/I, 8010, Graz, Austria, Tel.: +43 316 8735824, Email: legi@igi.tugraz.at

**Lehmann**, Dr. Konrad, Institut für Allgemeine Zoologie und Tierphysiologie, Friedrich-Schiller-Universität Jena, Erbertstr. 1, 7743, Jena, Tel.: +49 3641 949133, Email: Konrad.Lehmann@uni-jena.de

**Lehmann**, Marina, Department of Neurobiology, University of Konstanz, Universitätsstraße 10, 078457, Konstanz, Tel.: +49 7531 882096, Email: MarinaLehmann@web.de

**Lehmann**, PhD Fritz O., Institute of Neurobiology, University of Ulm, Albert-Einstein-Allee 11, 89081, Ulm, Tel.: +49 731 5023122, Email: fritz.lehmann@uni-ulm.de

**Leibold**, Dr. Christian, Biologie II, Ludwig-Maximilians Universität München, Großhaderner Str. 2, 82152, Planegg-Martinsried, Tel.: +49 89 218074309, Email: leibold@bio.lmu.de

**Leinweber**, Marcus, Department of Cellular and Systems Neurobiology, Max-Planck-Institute of Neurobiology, Am Klopferspitz 18, 82152, München-Martinsried, Tel.: +49 89 85783670, Email: leinweber@neuro.mpg.de

**Lemon**, Prof. Dr. Roger, Sobell Department of Motor Neuroscience and Movement Disorders, Institute of Neurology, University College London, Queen Square, WC1N 3BG, London, United Kingdom, Tel.: +44 20 78373611, Email: rlemon@ion.ucl.ac.uk

**Lengersdorf**, Daniel, Institute for Biology II, RWTH Aachen University, Kopernikusstraße 16, 52074, Aachen, Tel.: +49 241 8024841, Email: daniell@bio2.rwth-aachen.de

**Leske**, Oliver, Biochemistry II -Molecular Neurobiochemistry-, Ruhr-University Bochum, Uniiversitätsstr.150, 44780, Bochum, Tel.: +49 234 3226758, Email: oliver.leske@rub.de

**Leßmann**, Prof. Volkmar, Institute of Physiology, Otto-von-Guericke-Universität, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6714282, Email: lessmann@med.ovgu.de



**Lessner**, Grit, Anatomy, University of Rostock, Gertrudenstr. 9, 18055, Rostock, Tel.: +49 381 4948408, Email: gritlessner@web.de

**Lesting**, Dr. Jörg, Institute of Physiology I, Westfälische Wilhelms-Universität Münster, Robert-Koch-Str. 27a, 48149, Münster, Tel.: +49 251 8355561, Email: lesting@uni-muenster.de

**Lewald**, Dr. Jörg, Research group Ageing and CNS alterations, Leibniz Research Centre for Working Environment and Human Factors, Ardeystr. 67, 44139, Dortmund, Tel.: +49 231 1084263, Email: joerg.lewald@rub.de

**Liang**, Pei, Neurobiology Department, Bielefeld University, Postfach 10 01 31, 33501, Bielefeld, Tel.: +49 521 1065749, Email: pei.liang@uni-bielefeld.de

**Lichtenecker**, Petra, Institute of Physiology, Otto-von-Guericke-University, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6715811, Email: plichtenecker@gmail.com

**Liebau**, Dipl.-Biol. Arne, Institute of Zoology, Auditory Neuroethology and Neurobiology Lab, University of Veterinary Medicine Hannover, Bünteweg 17, 30559, Hannover, Tel.: +49 511 9538427, Email: arne.liebau@tiho-hannover.de

**Liebscher**, Sabine, Bonhoeffer Group, Max-Planck-Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783693, Email: Liebscher@neuro.mpg.de

**Lienbacher**, Karoline, Oculomotor Group, Anatomische Anstalt, Pettenkoflerstr. 11, 80336, München, Tel.: +49 89 51604874, Email: karoline.lienbacher@med.uni-muenchen.de

**Lima**, Bruss, Neurophysiologie, Max-Planck-Institut für Hirnforschung, Deutschordenstraße 46, 60528, Frankfurt am Main, Tel.: +49 69 96769235, Email: bruss@mpih-frankfurt.mpg.de

**Liman**, Dr. Jan, Department of Neurology, University of Göttingen, Robert-Koch-Str. 40, 37075, Göttingen, Tel.: +49 551 394927, Email: jliman@gwdg.de

**Lin**, M.Sc Juntang, School of Medicine, University of Jena, Institute of Anatomy I, Teichgraben 7, 07743, Jena, Tel.: +49 3641 938546, Email: jlin@mti.uni-jena.de

**Lindemann**, Dr. Jens Peter, Neurobiology & Center of Excellence 'Cognitive Interaction Technology', Bielefeld University, Postfach 10 01 31, 33501, Bielefeld, Tel.: +49 521 1065576, Email: Jens.Lindemann@Uni-Bielefeld.DE

**Lindemann**, Christoph, Pharmakologie, Toxikologie und Pharmazie, Tierärztliche Hochschule Hannover, Bünteweg 17, 30559, Hannover, Tel.: +49 511 8564645, Email: c.lindemann@gmx.net

**Lingner**, Andrea, Division of Neurobiology, Ludwig-Maximilians-Universität München, Großhaderner Straße 2, 82152, München, Tel.: +49 89 218074369, Email: lingner@bio.lmu.de

**Linnertz**, Regina, Neurophysiology, Paul Flechsig Institute of Brain Research, Jahnallee 59, 04109, Leipzig, Tel.: +49 341 9725783, Email: Regina.Linnertz@medizin.uni-leipzig.de

**Liotta**, Agustin, Institute for Neurophysiology, Johannes-Müller-Centre for Physiology, Tucholskystraße 2, 10117, Berlin, Tel.: +49 30 450528149, Email: agustin.liotta@charite.de

**Lipstein**, PhD Noa, Molecular neurobiology, Max-Planck-Institute for Experimental Medicine, Hermann-Rein-Straße 3, 37075, Göttingen, Tel.: +49 551 3899697, Email: Lipstein@em.mpg.de

**Lison**, Holger, Auditory Learning and Speech, Leibniz Institute for Neurobiology, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263347, Email: holger.lison@ifn-magdeburg.de

**Liu**, PhD Ruifeng, Cognitive Neuroscience Laboratory, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851342, Email: rliu@gwdg.de

**Lochte**, Anja, Cognitive Neuroscience Laboratory, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 178 1831674, Email: alochte@gwdg.de

**Loebel**, Alex, Neurobiology, Ludwig - Maximilians - University, Großhaderner Str. 2, 82152, Planegg-Martinsried, Tel.: +49 89 218074133, Email: alex.loebel@gmail.com

**Logothetis**, Prof. Dr. Nikos K., Physiology of Cognitive Processes, Max Planck Institute for Biological Cybernetics, Spemannstr. 38, 72076, Tübingen, Tel.: +49 7071 601651, Email: nikos.logothetis@Tübingen.mpg.de



**Lohr**, Dr. Christian, IZKF, Institut für Physiologie, Universität Münster, Robert-Koch-Str. 27a, 48149, Münster, Tel.: +49 251 8355533, Email: christian.lohr@uni-muenster.de

**Longden**, Dr. Kit D., Dept Bioengineering, Imperial College London, South Kensington Campus, SW72AZ, London, United Kingdom, Tel.: +44 207 5942013, Email: kit@imperial.ac.uk

**López**, Jeffrey, Department of Neurophysiology, Leibniz Institute for Neurobiology, Brenneckestraße 6, 39118, Magdeburg, Tel.: +49 391 6263407, Email: Jeffrey.Lopez@ifn-magdeburg.de

**Louis**, PhD Thierry, Research Centre on Animal Cognition, Université Paul Sabatier, 118 route de Narbonne, 31 062, Toulouse, France, Tel.: +331 5 61556471, Email: louis@cict.fr

**Lu**, Qianhao, Dept. Cellular Neurobiology, University of Göttingen, Hermann-Rein-Str. 3, 37077, Göttingen, Tel.: +49 551 395400, Email: luqsim@gmail.com

**Lübbert**, Matthias, Zellphysiologie, Ruhr-Universität Bochum, Universitätsstraße 150 Gebäude ND4, 44780, Bochum, Tel.: +49 234 26718, Email: matthiasluebbert@gmx.de

**Lüling**, Dipl.-Phys. Hannes, Department Biologie 2, Ludwig-Maximilians-Universität München, Großhaderner Str. 2, 82152, Planegg-Martinsried, Tel.: +49 89 218074355, Email: hannes.lueling@gmail.com

**Lüscher**, Prof. Dr. Hans-Rudolf, Physiology, University of Bern, Bühlplatz 5, 3012, Bern, Switzerland, Tel.: +41 31 6318724, Email: luescher@pyl.unibe.ch

**Luhmann**, Heiko J., University of Mainz, Institute of Physiology, Duesbergweg 6, 55128, Mainz, Tel.: +49 6131 3926070, Email: luhmann@uni-mainz.de

**Luksch**, Dr. Harald, Lehrstuhl für Zoologie, Technische Universität München, Hochfeldweg 2, 85354, Freising-Weihenstephan, Tel.: +49 8161 712800, Email: harald.luksch@wzw.tum.de

**Luo**, Dr. Jiankai, Albrecht-Kossel-Institute for Neuroregeneration, University of Rostock, Gehlsheimer Str. 20, 18147, Rostock, Tel.: +49 381 4949629, Email: jiankai.luo@uni-rostock.de

**Luxenhofer**, Georg, Institute of Developmental Genetics, Group Neuronal Circuit Formation, Helmholtz-Zentrum München, Ingolstädter Landstr. 1, 85764, München-Neuherberg, Tel.: +49 89 31872371, Email: georg.luxenhofer@helmholtz-Muenchen.de

## M

**Ma**, Shouwen, Fachbereich Biologie, Raum M 1124, Universität Konstanz, Universitätstraße 10., 78457, Konstanz, Tel.: +49 7531 882117, Email: shouwen.ma@uni-konstanz.de

**Ma**, Dr. Le, Zilka Neurogenetic Institute, Cell and Neurobiology, University of Southern California, 1501 San Pablo St, CA 90033, Los Angeles, USA, Tel.: +1 323 4422484, Email: le.ma@usc.edu

**Maas**, Almuth, Department of Animal Physiology, University of Leipzig, Institute of Biology II, Talstr. 33, 04103, Leipzig, Tel.: +49 341 9736872, Email: almuth.maas@googlemail.com

**Maass**, Prof. Dr. Wolfgang, Institute for Theoretical Computer Science, Graz University of Technology, Inffeldgasse 16b/l, A-8010, Graz, Austria, Tel.: +43 316 8735822, Email: maass@igi.tugraz.at

**Macharadze**, Tamar, Project Group Neuroplasticity, Leibniz-Institute for Neurobiology, Magdeburg, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263519, Email: tmachara@ifn-magdeburg.de

**Märtinger**, Robert, Neurobiopsychology, Institute of Cognitive Science, University of Osnabrück, Albrechtsstraße 28, 49069, Osnabrück, Tel.: +49 541 9692251, Email: robert.maerting@gmx.de

**Maijer**, Dipl.-Biol. Silke, Tierphysiologie, Zoologisches Institut, Universität zu Köln, Weyertal 119, 50931, Köln, Tel.: +49 221 4703101, Email: smaier2@uni-koeln.de

**Malkemper**, Pascal, Zoological Institute, University of Cologne, Weyertal 119, 50931, Köln, Tel.: +49 221 4703101, Email: Erich.Malkemper@rub.de

**Mamasuew**, Katharina, Institute of Physiology, University of Hohenheim, Garbenstr. 30, 70599, Stuttgart, Tel.: +49 711 45922270, Email: katharina.mamasuew@gmx.de

**Mané**, Maria, Zentrum Physiologie und Pathophysiologie, Universität Göttingen, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 3922933, Email: wolf-gernrode@t-online.de



**Mandalapu**, Sailaja, AG Klopfenstein, CMPB, Georg August University, Humboldtallee 23, 37073, Göttingen, Tel.: +49 176 63228508, Email: sailu\_mandalapu@yahoo.co.in

**Mann**, Miriam, Cellular and Systems Neurobiology, MPI of Neurobiology, Am Klopferspitze 18, 82152, Martinsried, Tel.: +49 89 85783665, Email: mann@neuro.mpg.de

**Manns**, Dr. Martina, Biopsychology, Institute for Cognitive Neuroscience, Ruhr-University Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3224917, Email: Martina.Manns@rub.de

**Manzini**, PhD Ivan, Department of Neurophysiology and Cellular Biophysics, University of Göttingen, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 397639, Email: imanzin@gwdg.de

**Manzke**, PhD Till, Child and Adolescent Psychiatry, University of Göttingen, von-Siebold -Straße 5, 37075, Göttingen, Tel.: +49 551 394961, Email: tmanzke@gwdg.de

**Marcello**, Andrea, Psychiatry, University of Göttingen, Bertheausstraße 7, 37075, Göttingen, Tel.: +49 171 5235414, Email: gandez@yahoo.it

**Marom**, Prof. Shimon, Network Biology Research Laboratories, Technion - Israel Institute of Technology, Fishbach Bldg., Technion City, 32000, Haifa, Israel, Tel.: +972 4 8295752, Email: marom@technion.ac.il

**Martin**, Tina, Dept. 8.3-Biosciences - Zoology and Physiology (Neurobiology), Saarland University, 151150, 66041, Saarbrücken, Tel.: +49 681 30258136, Email: t.martin@mx.uni-saarland.de

**Martin**, Prof. Kevan AC, Institute of Neuroinformatics, UZH/ETH, Winterthurerstraße 190, 8057, Zürich, Switzerland, Tel.: +41 44 6353057, Email: kevan@ini.phys.ethz.ch

**Marx**, Christine, Multimodal Imaging, Max-Planck-Institute for Neurological Research, Gleuelerstraße 50, 50931, Köln, Tel.: +49 221 4726218, Email: Christine.Marx@nf.mpg.de

**Matheson**, Dr. Tom, Biology, University of Leicester, University Road, LE1 7RH, Leicester, United Kingdom, Tel.: +44 116 2231263, Email: tm75@le.ac.uk

**Maurer**, Colette Michèle, Institute of Zoology, University of Zürich, Winterthurerstraße 190, 8057, Zürich, Switzerland, Tel.: +41 43 6354834, Email: colette.maurer@zool.uzh.ch

**Mayer**, M.Sc. Uwe, Neuroethology, University Bielefeld, Morgenbreede 45, 33615, Bielefeld, Tel.: +49 521 1062712, Email: uwe.mayer@uni-bielefeld.de

**McDearmid**, PhD Jonathan Robert, Biology, University of Leicester, University Road, LE1 7RH, Leicester, United Kingdom, Tel.: +44 116 2523913, Email: jrm33@le.ac.uk

**McMahon**, PhD Matthew J., Research, Second Sight Medical Products, Inc., 12744 San Fernando Rd., Bldg. 3, 91342, Sylmar, CA, USA, Tel.: +1 818 8335084, Email: mm@2-sight.com

**Medendorp**, Dr. W. Pieter, Donders Institute for Brain, Cognition and Behaviour, Radboud University Nijmegen, Montessorilaan 3, 6500HB, Nijmegen, Netherlands, Tel.: +31 24 3616041, Email: p.medendorp@donders.ru.nl

**Medici**, Vasco, Institute of Neuroinformatics, UNI/ETH Zürich, Winterthurerstraße 190, 8057, Zürich, Switzerland, Tel.: +41 44 6353033, Email: vasco@ini.ch

**Meier**, Dr. Silke Doris, Institute for Neurobiology, HHU Duesseldorf, Universitätsstr. 1, 40225, Düsseldorf, Tel.: +49 211 8110581, Email: s.meier@uni-duesseldorf.de

**Meier**, Christin, Interfakultäres Institut für Zellbiologie, Abteilung Molekularbiologie, AG Knöll, Universität Tübingen, Auf der Morgenstelle 15, 72076, Tübingen, Tel.: +49 7071 2987603, Email: meier.christin@gmx.net

**Meigen**, Dr. rer. nat Thomas, Elektrophysiologisches Labor, Univ.-Augenklinik, Josef-Schneider-Str. 11, 97080, Würzburg, Tel.: +49 931 20120437, Email: t.meigen@augenklinik.uni-wuerzburg.de

**Meinertzhagen**, Dr. Ian A., Life Sciences Centre, Dalhousie University, 1355 Oxford Street, B3H 4J1, Halifax, Canada, Tel.: +1 902 4942131, Email: iam@dal.ca

**Meis**, Dr. Susanne, Institut für Physiologie, Otto-von-Guericke Universität, Leipziger Straße 44, 39120, Magdeburg, Tel.: +49 391 6713676, Email: susanne.meis@med.ovgu.de

**Mendritzki**, Sonja, Department of Animal Physiology, Ruhr-University Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3224483, Email: sonjamendritzki@aol.com

**Menzfeld**, M.Sc. Christiane, Institute of Neuropathology, Georg-August-University, Robert-Koch-Str. 40, 37075, Göttingen, Tel.: +49 39 8468, Email: c.menzfeld@med.uni-Goettingen.de

**Menzler**, Jacob, Dept. Borst, MPI for Neurobiology, Am Klopferspitz, 82152, München, Tel.: +49 89 5783928, Email: menzler@neuro.mpg.de

**Merschbaecher**, Katja, Dept. 8.3-Biosciences - Zoology and Physiology (Neurobiology), Saarland University, 151150, 66041, Saarbrücken, Tel.: +49 681 30258136, Email: K.Merschbaecher@gmx.net

**Merten**, Katharina, Dept. of Animal Physiology, University of Tübingen, Zoological Institute, Auf der Morgenstelle 28, 72076, Tübingen, Tel.: +49 174 7417624, Email: katharina.merten@medizin.uni-Tuebingen.de

**Mertgens**, Hanna, Multimodal Imaging, Max-Planck-Institute for Neurological Research, Gleulerstr. 50, 50931, Cologne, Tel.: +49 221 4726218, Email: hmertgens@nf.mpg.de

**Metzen**, Michael Georg, Neuroethology/Sensory Ecology, University of Bonn, Endenicher Allee 11-13, 53119, Bonn, Tel.: +49 228 733751, Email: michael.metzen@uni-bonn.de

**Meuth**, PhD Sven G., Neurology, University of Würzburg, Josef-Schneider-Str. 11, 97080, Würzburg, Tel.: +49 172 8342006, Email: sven.meuth@gmx.de

**Mey**, Dr. Jörg, Institute of Biology II, RWTH Aachen, Kopernikusstraße 16, 52074, Aachen, Tel.: +49 241 8024852, Email: mey@bio2.rwth-aachen.de

**Meyer**, Gunnar, Institute of Zoology, University of Bonn, Poppelsdorfer Schloss, 53115, Bonn, Tel.: +49 228 735488, Email: meyer.gunnar@gmx.de

**Meyer**, Dr. Axel Heinrich, Neuroscience discovery, Abbott GmbH & Co KG, Knollstraße, 67061, Ludwigshafen, Tel.: +49 621 5893270, Email: axel.meyer@abbott.com

**Meyer**, Elisabeth, Department of Neurobiology, Ludwig Maximilians University, Großhaderner Straße 2, 82152, München, Tel.: +49 89 208174316, Email: elisi.meyer@gmail.com

**Meyer**, Anneke, Department of Biology, University of Konstanz, Universitätsstr 10, 78457, Konstanz, Tel.: +49 7531 885065, Email: anneke.meyer@uni-konstanz.de

**Meyer**, Daniel, Department for Cellular and Systems Neurobiology, Max-Planck-Institute of Neurobiology, Am Klopferspitz 18, 82152, München, Tel.: +49 89 85783685, Email: dmeyer@neuro.mpg.de

**Meyer zu Hörste**, Dr. Gerd, Department of Neurology, Heinrich-Heine-University, Moorenstr. 5, 40225, Düsseldorf, Tel.: +49 211 8116792, Email: gerd.mzh@gmx.de

**Mezler**, Dr. Mario, Neuroscience Research, Abbott GmbH & Co KG, Knollstraße, 67061, Ludwigshafen, Tel.: +49 621 5894602, Email: mario.mezler@abbott.com

**Michaelsen**, Kristin, Cellular Neurobiology, TU Braunschweig, Spielmannstr. 7, 38106, Braunschweig, Tel.: +49 531 3913225, Email: k.michaelsen@tu-bs.de

**Michel**, Chloé, PG Neuroplasticity, Leibniz-Institute for Neurobiology, Brennekestraße 6, 39118, Magdeburg, Tel.: +49 391 6263106, Email: cmichel@ifn-magdeburg.de

**Mikhaylova**, Marina, PG Neuroplasticity, Leibniz-Institute for Biology, Brennekestr. 6, 39118, Magdeburg, Tel.: +49 391 6263106, Email: marina.mikhaylova@ifn-magdeburg.de

**Mikosz**, Marta J., Laboratory of Defensive Conditioned Reflexes, Department of Neurophysiology, Nencki Institute of Experimental Biology, Polish Academy of Sciences, 3 Pasteur St., 2093, Warsaw, Poland, Tel.: +48 22 5892406, Email: m.mikosz@nencki.gov.pl

**Minge**, Daniel, Physiologie, Zentrum für Experimentelle Medizin, Martinstraße 52, 20246, Hamburg, Tel.: +49 40 428033184, Email: dminge@uke.uni-hamburg.de

**Minoli**, PhD Sebastian Antonio, UMR 1272 Physiologie de l'Insecte, INRA, Route de St Cyr, 78000, Versailles, France, Tel.: +331 130 833163, Email: minoli@bg.fcen.uba.ar

**Mishra**, Dushyant, Department of Neurobiology and Genetics, University of Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 931 30588403, Email: dushyant.mishra@gmail.com



**Mißbach**, Christine, Department of Evolutionary Neuroethology, Max-Planck-Institute for Chemical Ecology, Hans-Knöll-Straße 8, 07745, Jena, Tel.: +49 3641 571428, Email: cmissbach@ice.mpg.de

**Mittag**, Christoph Johannes, Institute of Physiology I, University of Münster, Robert-Koch-Str. 27a, 48149, Münster, Tel.: +49 251 8358116, Email: christoph.mittag@uni-muenster.de

**Mittmann**, Dr. Thomas, Dept. Neurophysiology, Ruhr-University Bochum, Universitätsstr. 150, 44801, Bochum, Tel.: +49 234 3224919, Email: mittmann@neurop.rub.de

**Mix**, Dipl.-Biol. Annika, Neurophysiology, Ruhr-University Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3226828, Email: annika@neurop.rub.de

**Mizushima**, Prof. Noboru, Department of Physiology and Cell Biology, Tokyo Medical and Dental University, 1-5-45 Yushima, Bunkyo-ku,, 113-8519, Tokyo, Japan, Tel.: +81 3 58035158, Email: nmizu.phy2@tmd.ac.jp

**Moczulska**, M.Sc. Kaja Ewa, Simon Rumpel's group, The Research Institute of Molecular Pathology (IMP), Marxergasse 30/23, 1030, Wien, Austria, Tel.: +43 1 79730, Email: kaja.moczulska@imp.ac.at

**Möller**, Christoph, Experimental Otolaryngology, University Erlangen-Nürnberg, Waldstraße 1, 91054, Erlangen, Tel.: +49 9131 8543853, Email: christoph.moeller@uk-erlangen.de

**Mogdans**, Dr. Joachim, Institute for Zoology, University of Bonn, Poppelsdorfer Schloss, 53115, Bonn, Tel.: +49 228 733806, Email: mogdans@uni-bonn.de

**Moita**, PhD Marta AP, Behaviorla Neurobiology, Champalimaud Foundation Neuroscience Programme at Instituto Gulbenkian de Cienci, Apartado 14, P-2781-901, Oeiras, Portugal, Tel.: +351 21 4464535, Email: moita@igc.gulbenkian.pt

**Molnar**, Dr. Laszlo, General Zoology, University of Pecs, Ifjúság útja 6., 7604, Pecs, Hungary, Tel.: +36 72 503634, Email: drmolnar@gmail.com

**Mombaerts**, Prof. Dr. Dr. Peter, Department of Molecular Neurogenetics, Max-Planck Institute of Biophysics, Max-von-Laue Str. 3, 60438, Frankfurt am Main, Tel.: +49 69 6303 4000, Email: peter.mombaerts@mpibp-frankfurt.mpg.de

**Mora-Ferrer**, Dr. Carlos, Inst. Zoology III, Neurobiology, J.-Gutenberg-University, Saarstr. 20, 55099, Mainz, Tel.: +49 6131 4483, Email: carlos.mora-ferrer@uni-mainz.de

**Morawski**, Dr. Markus, Dep. Molecular and Cellular Mechanisms of Neurodegeneration, University of Leipzig, Faculty of Medicine, Paul-Flechsig-Institute of Brainrese, Jahnallee 59, 04109, Leipzig, Tel.: +49 341 9725757, Email: morm@medizin.uni-leipzig.de

**Moritz**, Dr. Sören, Department of Cellmorphology & molecular Neurobiology, Ruhr-University, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3225812, Email: soeren.moritz@rub.de

**Morrison**, Dr. Abigail, Theoretical Neuroscience Group, RIKEN Brain Science Institute, Hirosawa 2-1, Saitama 351-0198, Wako-City, Japan, Tel.: +81 48 4679644, Email: abigail@brain.riken.jp

**Morsch**, PhD Marco, University of Bonn, Institute of Physiology II, Wilhelmstr. 31, 53113, Bonn, Tel.: +49 228 28722361, Email: mm@uni-bonn.de

**Motzkus**, Dipl.-Biol. Nicole Jennifer, AG Hess, Institut für Pharmakologie und Toxikologie, Fahrstraße 117, 91054, Erlangen, Tel.: +49 9131 8522876, Email: Nicole.Motzkus@pharmakologie.med.uni-erlangen.de

**Müller**, Adrienne, Experimental Neurology, University of Ulm, Albert-Einstein-Allee 11, 89081, Ulm, Tel.: +49 731 63075, Email: adrienne\_mueller@yahoo.de

**Müller**, Dr. Brigitte, Neuroanatomy, Max Planck Institute for Brain Research, Deutschordenstr. 46, 60528, Frankfurt/M., Tel.: +49 69 96769236, Email: bmueller@mpih-frankfurt.mpg.de

**Müller**, Prof. Hans Werner, Molecular Neurobiology Laboratory, University of Düsseldorf, Moorenstr. 5, 40225, Düsseldorf, Tel.: +49 211 8118410, Email: hanswerner.mueller@uni-duesseldorf.de

**Müller**, Kaspar, Institute of Zoology, Neurobiology, University of Zurich, Winterthurerstraße 190, 8057, Zürich, Switzerland, Tel.: +41 44 6354833, Email: kaspar.mueller@zool.uzh.ch

**Müller**, PhD Michael, Zentrum Physiologie und Pathophysiologie, Universität Göttingen, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 3922933, Email: mmuelle7@gwdg.de

**Müller**, Dr. rer. nat. Thorsten, Neurobiology, UKB, Sigmund-Freud-Str. 25, 53105, Bonn, Tel.: +49 228 28716395, Email: muellertho@hotmail.com

**Müller**, Prof. Dr. Uli, Dept. 8.3 Biosciences Zoology/Physiology (Neurobiology), Saarland University, 151150, 66041, Saarbrücken, Tel.: +49 681 3022412, Email: uli.mueller@mx.uni-saarland.de

**Mueller**, Ralf, Department of Psychiatry and Psychotherapy, University of Cologne, Kerpener Straße 62, 50924, Köln, Tel.: +49 221 47887150, Email: ralf.mueller@uk-koeln.de

**Münc**, PhD Thomas A., Centre for Integrative Neuroscience, Universität Tübingen, Paul-Ehrlich-Str. 17, 72076, Tübingen, Tel.: +49 7071 964590, Email: t\_muench@gmx.net

**Münc**, Daniel, Neurobiologie, Universität Konstanz, Universitätsstraße 10, 78464, Konstanz, Tel.: +49 7531 884642, Email: daniel.muench@uni-konstanz.de

**Muenz**, Thomas S., Department of Behavioral Physiology & Sociobiology, University of Würzburg, Biozentrum, Am Hubland, 97074, Würzburg, Tel.: +49 931 8884314, Email: thomas.muenz@biozentrum.uni-wuerzburg.de

**Munsch**, Dr. Thomas, Institut für Physiologie, Otto-von-Guericke Universität, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6713676, Email: thomas.munsch@med.ovgu.de

**Muthmann**, Oliver, BCCN Freiburg, Universität Freiburg, Lassbergstr. 28, 79117, Freiburg, Tel.: +49 761 2039313, Email: muthmann@bccn.uni-freiburg.de

**Muthukumarappan**, PhD Krishna, Institute of Anatomy I, University of Jena School of Medicine, Teichgraben, 07741, Jena, Tel.: +49 3641 935553, Email: krishna.muthukumarappan@mti.uni-jena.de

## N

**Naber**, M.Sc. Marnix, Physik, Philipps-Universität Marburg, Renthof 7, 35032, Marburg, Tel.: +49 6421 2824176, Email: marnixnaber@gmail.com

**Nadrigny**, Dr. Fabien, Glial Physiology and Imaging, Max-Planck-Institut für experimentelle Medizin, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 551 3899504, Email: nadrigny@mpg.de

**Nadrowski**, Dr. Björn, Department of Zoology, University of Göttingen, Hermann-Rein-Str. 3, 37077, Göttingen, Tel.: +49 176 5145699, Email: bjnrfrndnd@gmail.com

**Nagel**, Dr. Florian, Development and maintenance of the nervous system, Centre for Molecular Neurobiology Hamburg, Falkenried 94, 20251, Hamburg, Tel.: +49 40 428035394, Email: florian.nagel@zmn.uni-hamburg.de

**Nagel**, Saskia K., Department for Neurobiopsychology, Institute of Cognitive Science, Albrechtstr.28, 49076, Osnabrück, Tel.: +49 541 9692251, Email: sanagel@uos.de

**Nagymajtényi**, Dr. László, Department of Public Health, University of Szeged, Dóm tér 10., 6720, Szeged, Hungary, Tel.: +36 62 545119, Email: nml@puhe.szote.u-szeged.hu

**Nair**, Ramya, Molecular Neurobiology, Max-Planck-Institute for Experimental Medicine, Hermann-Rhein-Str. 3, 37075, Göttingen, Tel.: +49 551 2712284, Email: nair@em.mpg.de

**Naranjo**, Dipl.-Phy. Jose Raul, Complementary Medicine, Dpt. of Environmental Health Science, University Medical Center Freiburg, Breisacher Straße 64, 79106, Freiburg, Tel.: +49 761 2708308, Email: joseraul.naranjo@uniklinik-freiburg.de

**Narayanan**, Dr. Rajeevan T, Institute of Physiology 1, Neurophysiology, Westfälische Wilhelms-Universität Münster, Robert-Koch-Straße 27a, 48149, Münster, Tel.: +49 251 8358110, Email: rtnarayanan@gmail.com

**Narushima**, PhD Madoka, Institute of Neuroscience, Technical University Munich, Biedersteiner Str. 29, 80802, München, Tel.: +49 89 41403367, Email: madoka.narushima@lrz.tum.de

**Nass**, Prof. Dr. Richard, Pharmacology and Toxicology, Indiana University School of Medicine, 635 Barnhill Dr., MS 549, 46202, Indianapolis, IN, USA, Tel.: +1 317 2788505, Email: ricnass@iupui.edu

**Natora**, Michal, Neural Information Processing, TU Berlin, BCCN, Franklinstraße 28/29, 10587, Berlin, Tel.: +49 30 31473117, Email: natora@cs.tu-berlin.de



**Natusch**, Claudia, Experimental and Physiological Psychology, Philipps-University of Marburg, Gutenbergstr. 18, 35032, Marburg, Tel.: +49 6421 2823694, Email: natusch@staff.uni-marburg.de

**Naumann**, Nicole, Abteilung Molekulare und Zelluläre Mechanismen der Neurodegeneration, Paul-Flechsig-Institut für Hirnforschung, Jahnallee 59, 04109, Leipzig, Tel.: +49 179 3212674, Email: n\_naumann@web.de

**Naumann**, Robert Konrad, BCCN, Humboldt-Universität Berlin, Philippstr. 13, Haus 6, 10115, Berlin, Tel.: +49 30 20936771, Email: robert.naumann@bccn-berlin.de

**Nawrot**, Dr. Martin Paul, Neuroinformatics and Theoretical Neuroscience, Freie Universität Berlin, Königin-Luise-Straße 28-30, 14195, Berlin, Tel.: +49 30 83856692, Email: nawrot@neurobiologie.fu-berlin.de

**Neef**, Dr. Andreas, Nonlinear Dynamics, MPI for Dynamics and Self-Organization, Bunsenstraße 10, 37073, Göttingen, Tel.: +49 551 5176550, Email: aneef@gwdg.de

**Neher**, Prof. Dr. Erwin, Membranbiophysik, Max-Planck-Institut für biophysikal. Chemie, Am Fassberg 11, 37077, Göttingen, Tel.: +49 551 2011675, Email: eneher@gwdg.de

**Neitz**, PhD Angela, Department of Neurophysiology, Ruhr University Bochum, Universitätsstr. 150, 44801, Bochum, Tel.: +49 234 3224918, Email: neitz@neurop.rub.de

**Neuenschwander**, Dr. Sergio, Neurophysiologie, Max-Planck-Institut für Hirnforschung, Deutschordenstraße 46, 60528, Frankfurt am Main, Tel.: +49 69 96769235, Email: neuenschwand@mpih-frankfurt.mpg.de

**Neugebauer**, Frank, Dept. Neurophysiology, Leibniz-Institute for Neurobiology, Brenneckestraße 6, 39918, Magdeburg, Tel.: +49 391 6263429, Email: frank.neugebauer@ifn-magdeburg.de

**Neuhaus**, Dr. Eva Maria, Cell Physiology, Ruhr-Universität Bochum, Universitätsstraße 150, 44780, Bochum, Tel.: +49 234 3224315, Email: eva.neuhaus@rub.de

**Neumann**, M.Sc. Janine, Department of Molecular Neurobiochemistry, Ruhr-Universität Bochum, Universitätsstrasse 150, 44780, Bochum, Tel.: +49 234 3226758, Email: Janine.Neumann@rub.de

**Neumann**, Sebastian, Department of Molecular Neurobiochemistry, Ruhr University Bochum, Universitätsstraße 150, Building NC7-171, 44780, Bochum, Tel.: +49 234 3225774, Email: Sebastian.Neumann@ruhr-uni-bochum.de

**Neumann**, Sonja, Institut für Zoologie Abt.3 Neurobiologie, Johannes-Gutenberg-Universität Mainz, Am Rosenhang 3, 65207, Wiesbaden, Tel.: +49 6122 12150, Email: SonjaNeumann@gmx.net

**Neupert**, Dr. Susanne, Institute of Zoology, Friedrich-Schiller-University Jena, Erbertstraße 1, 07743, Jena, Tel.: +49 3641 949191, Email: mail@susanne-neupert.de

**Neuser**, Franziska, Cellular Neurobiology, TU Braunschweig, Zoological Institute, Spielmannstr. 7, 38106, Braunschweig, Tel.: +49 531 3913229, Email: f.neuser@tu-bs.de

**Neuser**, Kirska, Department of Neurobiology, University Mainz, Colonell Kleinmannweg 2, 55128, Mainz, Tel.: +49 931 8884224, Email: kirska.neuser@biozentrum.uni-wuerzburg.de

**Newland**, Prof. Philip, School of Biological Sciences, University of Southampton, B62/6041 Boldrewood Campus, SO16 7PX, Southampton, United Kingdom, Tel.: +44 2380 594339, Email: pln@soton.ac.uk

**Ng**, Benedict, Cognitive Neurobiologie, Allgemeine Zoologie und Neurobiologie, Ruhr-Universität Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3224369, Email: Benedict.NgShienWei@rub.de

**Niebergall**, Robert, Cognitive Neurophysiology Laboratory, McGill University, 3655 Promenade Sir William Osler, Room 1220, H3G 1Y6, Montreal, Canada, Tel.: +1 514 3986023, Email: robert.niebergall@mail.mcgill.ca

**Nielsen**, PhD Thomas A, Department of Biology, University of Leicester, University Road, LE1 7RH, Leicester, United Kingdom, Tel.: +44 796 1270416, Email: tanielsen@gmail.com

**Nietzer**, Sarah Louise, Clinic for Psychiatry, Psychosomatic and Psychotherapy, University of Würzburg, Fuchsleinstraße 15, 97080, Würzburg, Tel.: +49 931 20177380, Email: sarah.nietzer@web.de

**Niewalda**, Thomas, Genetik und Neurobiologie, Universität Würzburg, Biozentrum, Am Hubland, 97074, Würzburg, Tel.: +49 931 8884483, Email: thomas.niewalda@biozentrum.uni-wuerzburg.de

**Nikiforuk**, PhD Agnieszka, Behavioral Neuroscience and Drug Development, Institute of Pharmacology, Polish Academy of Sciences, Smetna 12, 31343, Kraków, Poland, Tel.: +48 12 6623374, Email: nikifor@ifpan.krakow.pl

**Nityanandam**, Anjana, Cortical Development Group, Max-Planck-Institute for Experimental Medicine, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 551 3899372, Email: nityanandam@em.mpg.de

**Nixdorf-Bergweiler**, PD Dr. Barbara E., Institute of Physiology, Christian-Albrechts-University of Kiel, Olshausenstr. 40, 24098, Kiel, Tel.: +49 431 8802061, Email: b.nixdorf-bergweiler@physiologie.uni-kiel.de

**Nixon**, Prof. Ralph A., Psychiatry and Cell Biology, New York University School of Medicine/Nathan Kline Institute, 140 Old Orangeburg Road, 10962, Orangeburg, USA, Tel.: +1 845 3985423, Email: nixon@nki.rfmh.org

**Noack**, Diplom-Biotechn. Rebecca, Life Science Center, Dpt. of Neurology, University Hospital, Heinrich-Heine-University Düsseldorf, Merowingerplatz 1a, 40225, Düsseldorf, Tel.: +49 211 30203912, Email: rebecca\_noack@gmx.de

**Noblejas**, Mag. Maria Imelda, ALS, Leibniz Institut Für Neurobiologie, Brennekestraße 6, 39118, Magdeburg, Tel.: +49 391 6263323, Email: ipasley@ifn-magdeburg.de

**Noda**, PhD Mami, Pathophysiology, Graduate School of Pharmaceutical Sciences, Kyushu University, 3-1-1 Maidashi, Higashi-ku, 812-8582, Fukuoka, Japan, Tel.: +81 92 6426574, Email: noda@phar.kyushu-u.ac.jp

**Nölle**, Anna, Neuroanatomie, Medizinische Hochschule, Carl-Neuberg-Str. 1, 30625, Hannover, Tel.: +49 511 5322932, Email: noelle.anna@mh-hannover.de

**Nouvian**, PhD Régis, InnerEarLab, University of Göttingen, Robert-Koch-Str. 40, 37075, Göttingen, Tel.: +49 551 3922837, Email: nouvian@med.uni-Göttingen.de

**Novak**, Ben, Department of animal physiology, Ruhr-University, Universitätsstraße 150, 44780, Bochum, Tel.: +49 234 3224331, Email: ben.novak@rub.de

**Nowotny**, Dr. Manuela, Department of Neurobiology and Biosensors, Institute of Cell Biology and Neuroscience, Siesmayerstraße 70A, 60323, Frankfurt am Main, Tel.: +49 69 79824744, Email: nowotny@bio.uni-frankfurt.de

**Nuwal**, Tulip, Genetics and Neurobiology, Julius-Maximilians-University of Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 931 8884477, Email: tulipnuwal@gmail.com

## O

**Oberegelsbacher**, Dipl.-Biol. Claudia, Fg. Biosensorik, Universität Hohenheim, Garbenstraße 30, 70599, Stuttgart, Tel.: +49 711 45923063, Email: Claus@uni-hohenheim.de

**Önal**, PhD Cigdem, Neurology Clinic, University of Würzburg, Josef-Schneider-Str. 11, 97080, Würzburg, Tel.: +49 176 24276945, Email: oenal\_c@klinik.uni-Würzburg.de

**Ohlmann**, Andreas, Department of Human Anatomy and Embryology, University of Regensburg, Universitätsstr. 31, 93053, Regensburg, Tel.: +49 941 9432880, Email: andreas.ohlmann@vkl.uni-regensburg.de

**Oka**, PhD Yuichiro, Institute for Genetics, University of Cologne, Zülpicherstr. 47, 50674, Köln, Tel.: +49 470 4842, Email: okay@uni-koeln.de

**Okujeni**, Samora, AG Egert, Bernstein Center for Computational Neuroscience Freiburg, Hansastraße 9a, 79115, Freiburg, Tel.: +49 761 2039529, Email: samora.okujeni@biologie.uni-freiburg.de

**Oliveira**, M.Sc. Eugenio Eduardo, Dep. Animal Physiology, University of Cologne, Weyertal 119, 50923, Köln, Tel.: +49 221 4704026, Email: oliveira.eugenio@uni-koeln.de

**Ondreka**, Katharina, Neuroanatomie, Max-Planck-Institut für Hirnforschung Frankfurt am Main, Friedhofstr. 13, 63065, Offenbach am Main, Tel.: +49 69 56990073, Email: ondreka@mpih-frankfurt.mpg.de

**Onken**, Arno, Neuronale Informationsverarbeitung, Technische Universität Berlin, Franklinstr. 28/29, 10587, Berlin, Tel.: +49 30 31473628, Email: aonken@cs.tu-berlin.de



**Orth**, M.Sc. Angela, Department of Biochemistry I - Receptor Biochemistry, Ruhr University Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3227496, Email: angela.orth@rub.de

**Osterberg**, Nadja, Neuroanatomy, Georg-August-University of Göttingen, Kreuzberggring 40, 37075, Göttingen, Tel.: +49 39 7994, Email: nosterb@gwdg.de

**Ostrowski**, Tim, Abt. Neurobiologie, Johann-Friedrich-Blumenbach-Institut, Berliner Str. 28, 37073, Göttingen, Tel.: +49 551 3991186, Email: tostrow@gwdg.de

## P

**P. Araújo**, Dipl.-Biol. Julieta, Department of Neurology, University of Bonn, Sigmund-Freud-Str. 25, 53127, Bonn, Tel.: +49 228 28711077, Email: julieta.araujo@gmx.de

**Paeger**, Lars, Institute of Zoology/Physiology, University of Cologne, Weyertal 119, 50931, Köln, Tel.: +49 221 4705828, Email: lars.paeger@uni-koeln.de

**Pahlisch**, Franziska, Psychiatry and Psychotherapy, University of Cologne, Kerpener Straße 62, 50924, Köln, Tel.: +49 221 4785845, Email: pahlisch@ecnp.net

**Palghat Udayashankar**, Arun, Neurobiology, University of Bielefeld, Postfach 10 01 31, 33501, Bielefeld, Tel.: +49 521 1062548, Email: arun.palghat@uni-bielefeld.de

**Pamberg**, Anna-Maria, AG Hess, Institut für Pharmakologie und Toxikologie, Fahrstr. 17, 91054, Erlangen, Tel.: +49 9131 8522876, Email: Pamberg@pharmakologie.uni-erlangen.de

**Pamir**, Evren, Neuroinformatics, Martin Nawrot, Bernstein-Center-Berlin, Königin-Luise-Straße 28/30, 14195, Berlin, Tel.: +49 1577 3089639, Email: evren\_pamir@web.de

**Pan**, PhD Zhuo-Hua, Anatomy and Cell Biology, Wayne State University School of Medicine, 540 E. Canfield Ave., 48201, Detroit, USA, Tel.: +1 313 5779830, Email: zhpan@med.wayne.edu

**Pannicke**, Dr. Thomas, Paul-Flechsig-Institut für Hirnforschung, Universität Leipzig, Jahnallee 59, 04109, Leipzig, Tel.: +49 341 9725793, Email: thomas.pannicke@medizin.uni-leipzig.de

**Papageorgiou**, Ismini, Institute for Neurophysiology, Charite Universitätsmedizin, Rathenower Str. 27, 10559, Berlin, Tel.: +49 71 23451188, Email: ismini.papageorgiou@charite.de

**Papazoglou**, PhD Anna, Department of Stereotactic Neurosurgery, Laboratory of Molecular Neurosurgery, University Hospital Freiburg, Breisacher Str. 64, 79106, Freiburg, Tel.: +49 761 2705056, Email: anna.papazoglou@uniklinik-freiburg.de

**Pape**, PhD Hans-Christian, Institut für Physiologie I, Westfälische Wilhelms-Universität Münster, Robert-Koch-Str. 27A, 48149, Münster, Tel.: +49 251 8355532, Email: papechris@ukmuenster.de

**Papp**, Dr. András, Department of Public Health, University of Szeged, Dóm tér 10., 6720, Szeged, Hungary, Tel.: +36 62 545119, Email: ppp@puhe.szote.u-szeged.hu

**Paquet-Durand**, Dr. Francois, Centre for Ophthalmology, Universität Tübingen, Röntgenweg 11, 72076, Tübingen, Tel.: +49 7071 2987430, Email: francois.paquet-durand@klinikum.uni-tuebingen.de

**Parsons**, Matthew M., Dept. of Zoology, University of Cambridge, Downing Street, CB2 3EJ, Cambridge, United Kingdom, Tel.: +44 7813 178812, Email: mmp26@cam.ac.uk

**Passeri**, Eleonora, ENT clinic, THRC, Molecular Neurobiology, University of Tübingen, Elfriede-Aulhorn-Straße 5, 72076, Tübingen, Tel.: +49 7071 2988242, Email: eleonora@gost.it

**Patzke**, Nina, Faculty of Psychology, Institute of Cognitive Neuroscience, Universitätsstr. 150 GAFO 05/623, 44789, Bochum, Tel.: +49 234 3226804, Email: nina.patzke@rub.de

**Paul**, Vanessa, Molekulare Zellbiologie, Max-Planck-Institut für biophysikalische Chemie, Am Fassberg 11, 37077, Göttingen, Tel.: +49 551 2011469, Email: vpaul@gwdg.de

**Paulukat**, Linda, Institut für Physiologie I, Westfälische Wilhelms Universität Münster, Robert-Koch-Straße 27a, 48149, Münster, Tel.: +49 176 41217521, Email: LindaPaulukat@gmx.net



**Pauly**, Marie-Christin, Department of Stereotactic Neurosurgery, University Hospital Freiburg, Breisacher Str., 79106, Freiburg, Tel.: +49 761 2705009, Email: marie-christin.pauly@uniklinik-freiburg.de

**Peichl**, Prof. Dr. Leo, Neuroanatomy, Max-Planck-Institute for Brain Research, Deuschordenstr. 46, 60528, Frankfurt am Main, Tel.: +49 69 96769348, Email: peichl@mpih-frankfurt.mpg.de

**Peruga**, M.Sc. Isabella, Neuroimmunologie, Ruhr-Universität Bochum, Universitätstr. 150, 44801, Bochum, Tel.: +49 234 3229280, Email: Perugibs@rub.de

**Peter**, Manuel, Rumpel Group, Research Institute of Molecular Pathology, Dr.-Bohr-Gasse 7, 1030, Wien, Austria, Tel.: +43 1 797303714, Email: manuel.peter@imp.ac.at

**Peterson**, Kristopher, Bioengineering, Imperial College of London, Exhibition Road, SW72AZ, London, United Kingdom, Tel.: +44 77 30586712, Email: k.peterson06@imperial.ac.uk

**Petow**, Dr. Stefanie, Institut für Tierschutz und Tierhaltung, Friedrich-Löffler-Institut, Doernbergstraße 25 und 26, 29223, Celle, Tel.: +49 5141 3846180, Email: stefanie.petow@fli.bund.de

**Petri**, Prof. Susanne, Neurology, Hannover Medical School, Carl-Neuberg-Str. 1, 30625, Hannover, Tel.: +49 511 5323740, Email: petri.susanne@mh-hannover.de

**Pfeiffer**, Dr. Keram, Physiology and Biophysics, Dalhousie University, 5850 College St. 3-B1, B3H 1X5, Halifax, Canada, Tel.: +1 902 4489005, Email: Keram.Pfeiffer@dal.ca

**Pflüger**, Prof. Dr. Hans-Joachim, Institut für Biologie, Neurobiologie, Freie Universität Berlin, Königin-Luise-Straße 28-30, 14195, Berlin, Tel.: +49 30 83854676, Email: pflueger@neurobiologie.fu-berlin.de

**Philipp**, Sebastian Thomas, Department of Physics, Neurophysics group, Philipps-Universität Marburg, Renthof 7, 35032, Marburg, Tel.: +49 6421 2824165, Email: Sebastian.Phillipp@Physik.Uni-Marburg.DE

**Pieper**, Mario, Department of Neurobiology, University of Oldenburg, Carl-von-Ossietzky-Straße 9-11, 26111, Oldenburg, Tel.: +49 441 7983421, Email: pippen@web.de

**Pinkernelle**, Josephine, Zoology/Developmental neurobiology, Otto-von-Guericke-Universität, Leipziger Straße 44, 39120, Magdeburg, Tel.: +49 391 6755015, Email: josephine.pinkernelle@ovgu.de

**Pirone**, PhD Antonella, ENT CLINIC, University of Tübingen, Elfriede-Aulhorn-Straße 5, 72076, Tübingen, Tel.: +49 7071 2988202, Email: antonella.pirone@medizin.uni-Tuebingen.de

**Pix**, Charlotte Maria, Department Biologie II, Ludwig-Maximilians-Universität München, Großhaderner Str. 2, 82152, Planegg-Martinsried, Tel.: +49 89 218074137, Email: charlotte\_pix@yahoo.de

**Pizzorusso**, PhD Tommaso, Inst. Neuroscience, CNR, Via Moruzzi, 1, 56100, Pisa, Italy, Tel.: +39 50 3153167, Email: tommaso@in.cnr.it

**Platzmann**, Kerstin, Klinische Neurobiologie, DPZ, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851125, Email: kplatzmann@cni-dpz.de

**Plesser**, Dr. Hans Ekkehard, Dept of Mathematical Sciences and Technology, Norwegian University of Life Sciences, Postboks 5003, 1432, Aas, Norway, Tel.: +47 6496 5467, Email: hans.ekkehard.plesser@umb.no

**Pletzer**, Dr. Belinda Angela, Department of Cell Biology, University of Salzburg, Hellbrunnerstr. 34, 5020, Salzburg, Austria, Tel.: +43 662 80445648, Email: Belinda.Pletzer@sbg.ac.at

**Ponulak**, PhD Filip, Bernstein-Center for Computational Neuroscience Freiburg, Hansastr. 9A, 79104, Freiburg, Tel.: +49 761 2039324, Email: ponulak@bccn.uni-freiburg.de

**Popik**, Prof. Piotr, Behavioral Neuroscience and Drug Development, Institute of Pharmacology, Polish Academy of Sciences, 12 Smetna, 31-343, Kraków, Poland, Tel.: +48 12 6623375, Email: nfpopik@cyf-kr.edu.pl

**Porres**, Christian, Division of Neurobiology, AG Grothe, LMU, München, Großhaderner Str. 2, 82152, Planegg-Martinsried, Tel.: +49 89 218074365, Email: porres@bio.lmu.de

**Pothmann**, Leonie, Biology, University of Missouri St. Louis, One University Blvd, 63121, St. Louis, USA, Tel.: +1 314 5166231, Email: LeoniePothmann@web.de

**Potjans**, Wiebke, Theoretical Neuroscience Group, RIKEN Brain Science Institute, 2-1 Hirosawa, 351-0198, Wako City, Japan, Tel.: +81 48 4679644, Email: wiebke\_potjans@brain.riken.jp



**Potjans**, Tobias C., Brain and Neural Systems Team, Computational Science Research Program, RIKEN, 2-1 Hirosawa, 351-0198, Wako City, Japan, Tel.: +81 48 4679644, Email: tobias\_potjans@brain.riken.jp

**Poulet**, Dr. James, Brain Mind Institute, EPFL, Station 15, 1015, Lausanne, Switzerland, Tel.: +41 21 6931727, Email: james.poulet@epfl.ch

**Poulopoulos**, PhD Alexandros, Molecular Neurobiology, Max Planck Institute of Experimental Medicine, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 551 3899696, Email: poulopoulos@em.mpg.de

**Pramanik**, Gopal, Institute of Physiology, Otto-von-Guericke-University, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6715811, Email: gopal.pramanik@med.ovgu.de

**Predel**, Dr. Reinhard, Institute of Zoology, Friedrich-Schiller-University Jena, Erbertstraße 1, 07743, Jena, Tel.: +49 3641 949191, Email: reinhard.predel@uni-jena.de

**Prešern**, Dr. Janez, Department of Entomology, National Institute of Biology, Vecna pot 111, 1000, Ljubljana, Slovenia, Tel.: +386 31 474947, Email: janez.presern@guest.arnes.si

**Prinz**, Marco, Department of Neuropathology, University of Freiburg, Breisacher Str.64, 79106, Freiburg, Tel.: +49 761 2555105, Email: marco.prinz@uniklinik-freiburg.de

**Puller**, Christian, Dept. of Neuroanatomy, Max-Planck-Institute for Brain Research, Deutschordenstr. 46, 60528, Frankfurt a.M., Tel.: +49 69 96769257, Email: puller@mpih-frankfurt.mpg.de

**Pusch**, Roland, Neuroethology, University of Bonn, Endenicher Allee 11-13, 53115, Bonn, Tel.: +49 228 732472, Email: roland.pusch@uni-bonn.de

**Puschmann**, Anne-Katrin, Neurology, University of Würzburg, Josef-Schneider-Str. 11, 97080, Würzburg, Tel.: +49 931 20124604, Email: puschmann\_a@klinik.uni-wuerzburg.de

**Pyk**, Dr. Pawel, Institute of Neuroinformatics, University of Zurich and ETH Zurich, Winterthurerstraße 190, 8057, Zürich, Switzerland, Tel.: +41 44 6353041, Email: ppyk@ini.phys.ethz.ch

**Pyka**, Dipl.-Biol. Martin, LS für Zellmorphologie und molekulare Neurobiologie, Ruhr-Universität-Bochum, Universitätsstr.150, 44780, Bochum, Tel.: +49 23432 24312, Email: martin.pyka@rub.de

## Q

**Qualmann**, Prof. Dr. Britta, Institute for Biochemistry I, Medical Faculty, Friedrich-Schiller-University Jena, Nonnenplan 2, 07743, Jena, Tel.: +49 3641 938611, Email: Britta.Qualmann@mti.uni-jena.de

## R

**Raber**, Dr. Kerstin Alexandra, Experimental Therapy, University of Erlangen-Nürnberg, Palmsanlage 5, 91054, Erlangen, Tel.: +49 9131 8523505, Email: Kerstin.Raber@ze.uni-erlangen.de

**Racay**, PhD Peter, Institute of Medical Biochemistry, Comenius University, Jessenius Faculty of Medicine, Mala Hora 4, 3601, Martin, Slovakia, Tel.: +42 143 4131565, Email: racay@jfm.uniba.sk

**Raccuglia**, Davide, Dept. 8.3-Biosciences- Zoology and Physiology (Neurobiology), Saarland University, Post office box 151150, 66041, Saarbrücken, Tel.: +49 681 3026654, Email: raccuglia@mx.uni-saarland.de

**Radtke**, Debbie, Department of Cell Physiology, Ruhr-University Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3226718, Email: Debbie.Radtke@rub.de

**Rafflenbeul**, Lutz, Institut EMK, TU Darmstadt, Merckstraße 25, 64283, Darmstadt, Tel.: +49 6151 166869, Email: L.Rafflenbeul@emk.tu-darmstadt.de

**Rajendran**, Dr. Lawrence, Membrane Biology, Max-Planck-Institute of Molecular Cell Biology and Genetics, Pfotenhauerstr. 108, 01307, Dresden, Tel.: +49 176 63198732, Email: rajendra@mpi-cbg.de

**Rajeswaran**, Pingkalai, Department of Zoology, University of Göttingen, Hermann-Rein-Str. 3, 37077, Göttingen, Tel.: +49 151 14975876, Email: pingkalair@aol.com

**Rasche**, Sebastian, Lehrstuhl für Zellphysiologie, Ruhr-Universität Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3223529, Email: sebastian.rasche@rub.de

**Rath**, Lisa, Biology - Neurobiology, University of Konstanz, Universitätsstr. 10, 78457, Konstanz, Tel.: +49 7531 882096, Email: Lisa.Rath@uni-konstanz.de

**Rathjen**, Dr. Fritz G., Neurobiology, MDC, Robert-Rössle-Str.10, 13092, Berlin, Tel.: +49 30 94063709, Email: Rathjen@mdc-berlin.de

**Rattay**, Tim W., Physiologie I, Westphalian-Wilhelms-University Münster, Teichstraße 7, 48151, Münster, Tel.: +49 176 62060364, Email: tim.rattay@uni-muenster.de

**Rautenberg**, M.Sc. Philipp Lothar, Biology II, Department of Neurobiology, Ludwig-Maximilians University, Großharderner Str. 2, 82152, Martinsried, Tel.: +49 89 218074354, Email: philipp@der-rautenberg.de

**Rduch**, Alexandra E., Neurobiology, Heinrich-Heine-University, Universitätsstraße 1, 40225, Düsseldorf, Tel.: +49 211 13584, Email: Alexandra.Rduch@uni-duesseldorf.de

**Redies**, Prof. Dr. Dr. Christoph, Institute of Anatomy, University Hospital Jena, Teichgraben 7, 07743, Jena, Tel.: +49 3641 938511, Email: redies@mti.uni-jena.de

**Regen**, M.Sc. Tommy, Institute of Neuropathology, University of Göttingen, Robert-Koch-Str. 40, 37075, Göttingen, Tel.: +49 551 398467, Email: tommy.regen@med.uni-goettingen.de

**Regus-Leidig**, Dr. Hanna, Department Biologie, Universitaet Erlangen-Nürnberg, Staudtstraße 5, 91058, Erlangen, Tel.: +49 9131 8528012, Email: hregus@biologie.uni-erlangen.de

**Reich**, Hanna, Experimental and Physiological Psychology, Philipps University, Marburg, Biegenstraße 8, 35037, Marburg, Tel.: +49 163 5687159, Email: hannareich@gmail.com

**Reichenbach**, Prof. Dr. med. Andreas, Paul Flechsig Institute of Brain Research, Universität Leipzig, Jahnalle 59, 04109, Leipzig, Tel.: +49 341 9725731, Email: reia@medizin.uni-leipzig.de

**Reichinnek**, Susanne, Institut für Physiologie und Pathophysiologie, Universität Heidelberg, Im Neuenheimer Feld 326, 69120, Heidelberg, Tel.: +49 6221 544064, Email: susanne.reichinnek@gmx.de

**Reichl**, Lars, Nonlinear Dynamics, Max-Planck-Institute for Dynamics and Self-Organization, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 5176431, Email: reichl@nld.ds.mpg.de

**Reiff**, Dr. Dierk F., Dept. of Systems and Computational Neuroscience, Max-Planck-Institute for Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783256, Email: reiff@neuro.mpg.de

**Reiff**, Dipl.-Biologe Tobias, Neurochemistry, MPI for Brain Research, Deutschordenstr. 46, 60528, Frankfurt/M., Tel.: +49 69 96769445, Email: reiff@mpih-frankfurt.mpg.de

**Reim**, Dr. Kerstin, Dept. of Molecular Neurobiology, Max-Planck-Institute of Experimental Medicine, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 551 3899712, Email: reim@em.mpg.de

**Reimer**, Imke Christel Gudrun, Bernstein Center for Computational Neuroscience, Freiburg, Albert-Ludwigs-Universität, Freiburg, Hansastraße 9a, 79104, Freiburg, Tel.: +49 761 2039319, Email: reimer@bccn.uni-freiburg.de

**Rein**, Dr. Julia, Department of Neurobiology, University of Konstanz, Universitätsstraße 10, 78464, Konstanz, Tel.: +49 7531 882096, Email: Julia.Rein@uni-konstanz.de

**Reinhard**, Jacqueline, Department of Cell Morphology and Molecular Neurobiology, Ruhr-University Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3224314, Email: Jacqueline.Reinhard@rub.de

**Reischig**, Dr. Thomas, Zoology, Georg-August-University of Göttingen, Berliner Str. 28, 37073, Göttingen, Tel.: +49 551 397809, Email: treisch@gwdg.de

**Reiser**, Prof. Dr. Georg, Institut für Neurobiochemie, Otto-von Guericke Universität, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6713088, Email: georg.reiser@med.ovgu.de

**Rempel**, Hanna Christiane, Theoretische Neurobiologie AG Kreiter, Institut für Hirnforschung, Hochschulring 16a, 28359, Bremen, Tel.: +49 179 24770505, Email: rempel@brain.uni-bremen.de

**Remy**, Dr. Stefan, Department of Epileptology, Cognition Research and Experimental Epileptology, Sigmund-Freud-Str. 25, 53125, Bonn, Tel.: +49 228 6885280, Email: stefan.remy@ukb.uni-bonn.de



**Renner**, Dr. Ute, Neuro- and Sensory Physiology, University of Göttingen, Humboldtallee 23, 37075, Göttingen, Tel.: +49 551 395913, Email: [urenner1@gwdg.de](mailto:urenner1@gwdg.de)

**Rether**, Kathy, Dept. 8.3-Biosciences - Zoology and Physiology (Neurobiology), Saarland University, 151150, 66041, Saarbrücken, Tel.: +49 681 3026654, Email: [kathyrether@mx.uni-saarland.de](mailto:kathyrether@mx.uni-saarland.de)

**Reuss**, Dr. Bernhard, Center for Anatomy - Neuroanatomy, University of Göttingen, Kreuzberggring 36, 37075, Göttingen, Tel.: +49 551 397059, Email: [breuss@gwdg.de](mailto:breuss@gwdg.de)

**Reuter**, Kirsten, Department of Otolaryngology, InnerEarLab, University of Göttingen, Robert-Koch-Str. 40, 37075, Göttingen, Tel.: +49 551 3922837, Email: [kreuter@gwdg.de](mailto:kreuter@gwdg.de)

**Reuter**, PhD Günter, MHH, ENT-Clinic, Carl-Neuberg-Str. 1, 30627, Hannover, Tel.: +49 511 5324932, Email: [Reuter.Guenter@MH-Hannover.de](mailto:Reuter.Guenter@MH-Hannover.de)

**Reyes-Haro**, PhD Daniel, Neuroscience, Max-Delbrück-Center, Robert-Rössle-Str. 10, 13125, Berlin, Tel.: +49 30 94063503, Email: [reyesharo@mdc-berlin.de](mailto:reyesharo@mdc-berlin.de)

**Ribes**, PhD Sandra, Department of Neurology, Georg-August-University of Göttingen, Robert-Koch-Straße 40, 37075, Göttingen, Tel.: +49 551 396689, Email: [sandragottingen@gmail.com](mailto:sandragottingen@gmail.com)

**Ribic**, Adema, Departments of Clinical Neurobiology and Primate Genetics, German Primate Center GmbH, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851135, Email: [aribic@cni-dpz.de](mailto:aribic@cni-dpz.de)

**Riedel**, PhD Gernot, School of Medical Sciences, University of Aberdeen, Foresterhill, AB25 2ZD, Aberdeen, United Kingdom, Tel.: +44 1224 555758, Email: [g.riedel@abdn.ac.uk](mailto:g.riedel@abdn.ac.uk)

**Riedel**, Dr. Anett, Department of Zoology and Neurodevelopmental Biology, University of Magdeburg, Institute of Biology, Leipziger Str. 44, Building 91, 39120, Magdeburg, Tel.: +49 391 6755009, Email: [anett.riedel@ovgu.de](mailto:anett.riedel@ovgu.de)

**Riedel**, Dipl.-Biol. Michael, Molekulare Neurobiologie, Institut für Biologie und Umweltwissenschaften, Carl-von-Ossietzky-Straße 9-11, 26111, Oldenburg, Tel.: +49 441 7983287, Email: [michael.riedel@gmail.com](mailto:michael.riedel@gmail.com)

**Rieger**, Anne, Allgemeine Zoologie, Technische Universität Kaiserslautern, Erwin-Schrödinger-Str. 13, 67663, Kaiserslautern, Tel.: +49 631 2053689, Email: [anne.rieger@biologie.uni-kl.de](mailto:anne.rieger@biologie.uni-kl.de)

**Riehle**, Dr. Alexa, INCM, CNRS, 31 chemin Joseph Aiguier, 13402 Cedex 20, Marseille, France, Tel.: +331 491 164329, Email: [alex.riehle@incm.cnrs-mrs.fr](mailto:alex.riehle@incm.cnrs-mrs.fr)

**Rien**, Diana, Lehrstuhl für Neurobiologie, Universität Bielefeld, Universitätsstraße 25, 33615, Bielefeld, Tel.: +49 521 1065734, Email: [diana.rien@uni-bielefeld.de](mailto:diana.rien@uni-bielefeld.de)

**Rijal Upadhaya**, M.Sc. Ajeet, Laboratory of Neuropathology, University of Ulm, Albert-Einstein-Allee 11, 89081, Ulm, Tel.: +49 8221 962163, Email: [ajeetrijal@hotmail.com](mailto:ajeetrijal@hotmail.com)

**Rinke**, Ilka, Synaptic Receptor Trafficking Group, Max Planck Institute of Neurobiology, Am Klopferspitz 18, 82152, München, Tel.: +49 89 87583622, Email: [rinke@neuro.mpg.de](mailto:rinke@neuro.mpg.de)

**Ritz**, Dr. Marie-Francoise, DBM, Neurosurgery Laboratory, University Hospital Basel, Klingelbergstraße 50, 4056, Basel, Switzerland, Tel.: +41 61 2671535, Email: [marie-francoise.ritz@unibas.ch](mailto:marie-francoise.ritz@unibas.ch)

**Ritzmann**, Dr. Roy E., Department of Biology, Case Western Reserve University, 10900 Euclid Ave., 44118, Cleveland, Ohio, USA, Tel.: +1 216 3683554, Email: [roy.ritzmann@case.edu](mailto:roy.ritzmann@case.edu)

**Rocca**, Dr. Elena, Developmental Neurobiology, Max-Delbrück-Centrum fuer Molekulare Medizin, Robert-Rössle-Strasse 10, 13125, Berlin, Tel.: +49 39 94063772, Email: [rocca@mdc-berlin.de](mailto:rocca@mdc-berlin.de)

**Rochefort**, Dr. Nathalie Louise, Institute of Neuroscience and Center for Integrated Protein Science (CIPS), Technical University of München, Biedersteiner Strasse 29, 80802, München, Tel.: +49 89 41403367, Email: [nathalie.rochefort@lrz.tu-muenchen.de](mailto:nathalie.rochefort@lrz.tu-muenchen.de)

**Rönicke**, Sabine, Institut für Neurobiochemie, Otto-von-Guericke Universität, Medizinische Fakultät, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6713892, Email: [sabine.hein@med.ovgu.de](mailto:sabine.hein@med.ovgu.de)

**Rössler**, Prof. Dr. Wolfgang, Biozentrum, Zoology II, University of Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 931 8884313, Email: [roessler@biozentrum.uni-wuerzburg.de](mailto:roessler@biozentrum.uni-wuerzburg.de)

**Rohn**, Susanne, Molecular and cellular mechanisms of neurodegeneration, Paul Flechsig Institute for Brain Research, Jahnallee 59, 04109, Leipzig, Tel.: +49 341 9725736, Email: susanne.rohn@medizin.uni-leipzig.de

**Rohrer**, Dr. Hermann, Abt. Neurochemie, Max-Planck-Institut für Hirnforschung, Deutschordenstr. 46, 60528, Frankfurt/M., Tel.: +49 69 96769319, Email: rohrer@mpih-frankfurt.mpg.de

**Romanova**, PhD Elena V., Department of Chemistry, University of Illinois, 405 N. Mathews Avenue, 61801, Urbana, USA, Tel.: +1 217 2441314, Email: romanova@illinois.edu

**Ronacher**, Dr. Bernhard, Biology, Humboldt-Universität Berlin, Invalidenstr. 43, 10115, Berlin, Tel.: +49 30 20938806, Email: bernhard.ronacher@rz.hu-berlin.de

**Rose**, Prof. Dr. Christine R., Institute for Neurobiology, University of Duesseldorf, Universitätsstraße 1, Geb. 26.02.00, 40225, Düsseldorf, Tel.: +49 211 8113416, Email: rose@uni-duesseldorf.de

**Rose**, Dr. Tobias, Group Oertner, Friedrich-Miescher-Institute for Biomedical Research, Maulbeerstrasse 66, 4058, Basel, Switzerland, Tel.: +41 61 6978568, Email: trose@fmi.ch

**Rosenbaum**, Philipp, Department of Animal Physiology, Universität zu Köln, Weyertal 119, 50931, Köln, Tel.: +49 221 4703105, Email: Philipp.Rosenbaum@uni-koeln.de

**Roska**, Botond, Neural Circuit Laboratories, Friedrich Miescher Institute, Maulbeerstraße 66, 4058, Basel, Switzerland, Tel.: +41 61 6978575, Email: botond.roska@fmi.ch

**Rosner**, Ronny, Department of Neurobiology, Bielefeld University, Postfach 100131, 33615, Bielefeld, Tel.: +49 521 1065732, Email: ronny.rosner@uni-bielefeld.de

**Rotermund**, Dr. David, Institute for Theoretical Physics, University of Bremen, Hochschulring 18, 28334, Bremen, Tel.: +49 421 21862003, Email: davrot@neuro.uni-bremen.de

**Roth-Alpermann**, Dr. Claudia, AG Brecht, Bernstein Center for Computational Neuroscience Berlin, Philippstr. 13, Haus 6, 10115, Berlin, Tel.: +49 30 20936712, Email: claudia.roth-alpermann@bccn-berlin.de

**Rotte**, Cathleen, Animalphysiology, University of Potsdam, Karl-Liebknecht-Str. 24-25, 14476, Potsdam, Tel.: +49 331 9775538, Email: rotte@uni-potsdam.de

**Rotter**, Prof. Dr. Stefan, Bernstein Center for Computational Neuroscience, Albert-Ludwig-University Freiburg, Hansastrasse 9a, 79104, Freiburg, Tel.: +49 761 2039316, Email: stefan.rotter@biologie.uni-freiburg.de

**Roussa**, Dr. Eleni, Molecular Embryology, University of Freiburg, Albertstraße 17, 79104, Freiburg, Tel.: +49 761 2035114, Email: eleni.roussa@anat.uni-freiburg.de

**Roux**, Dr. Sébastien, Neurobiology and Biophysics, Institute of Biology III, BCCN, Albert-Ludwig-University, Schänzlestraße 1, 79104, Freiburg, Tel.: +49 761 2032862, Email: roux@bccn.uni-freiburg.de

**Roxin**, PhD Alexander, Center for Theoretical Neuroscience, Columbia University, 1051 Riverside Dr., 10032, New York, USA, Tel.: +1 646 4152466, Email: ar2828@columbia.edu

**Rubakhin**, Dr. Stanislav S., Chemistry Department and Beckman Institute, University of Illinois at Urbana-Champaign, MC-251, 405 North Mathews Avenue, 61801, Urbana, USA, Tel.: +1 217 2441314, Email: roubakhi@illinois.edu

**Ruchty**, Markus, Department of Behavioral Physiology and Sociobiology, University of Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 931 8884336, Email: ruchty@biozentrum.uni-wuerzburg.de

**Ruesch**, Elisha, Physics ETH Zuerich, Institut of Neuroinformatics, Winterthurerstraße 190, 8057, Zürich, Switzerland, Tel.: +41 44 6353034, Email: elisha@ini.phys.ethz.ch

**Rüttiger**, Dr. Lukas, Hearing Research Center, University of Tübingen, Elfriede-Aulhorn-Str. 5, 72074, Tübingen, Tel.: +49 7071 2988260, Email: lukas.ruettiger@uni-tuebingen.de

**Ruiperez Alonso**, M.Sc. Marta, Nederlands institute for Neuroscience, Universiteit van Amsterdam, Carolina MacGillavrylaan 652, 1098XC, Amsterdam, Netherlands, Tel.: +31 638 424100, Email: ruiperezmartha@yahoo.es



**Rujescu**, Dr. Dan, Dept. of Psychiatry and Psychotherapy, University of Munich, Nussbaumstraße 7, 80336, München, Tel.: +49 89 51 605756, Email: Dan.Rujescu@med.uni-Muenchen.de

**Rummel**, Julia, International Graduate Program Medical Neuroscience, Charité Universitätsmedizin Berlin, Charitéplatz 1, 10117, Berlin, Tel.: +49 +176 62502439, Email: juliarummel@web.de

**Rumpel**, Dr. Simon, Research Institute of Molecular Pathology (IMP), Dr. Bohr-Gasse 7, 1030, Vienna, Austria, Tel.: +43 1 797303470, Email: rumpel@imp.ac.at

**Ruploh**, B.Sc. Tim, Neuroethology (Workgroup H.J. Bischof), University of Bielefeld, Morgenbreede 45, 33615, Bielefeld, Tel.: +49 151 12714294, Email: truploh@uni-bielefeld.de

**Rupprecht**, Vanessa, Experimental Neurophysiology, University Clinic Bonn, Department of Neurosurgery, Sigmund-Freud-Str. 25, 53105, Bonn, Tel.: +49 228 28719241, Email: varu@gmx.de

**Rust**, Dr. Marco, Neurobiology/Neurophysiology Group, TU Kaiserslautern, Erwin-Schrödinger-Straße 13, 67663, Kaiserslautern, Tel.: +49 631 2054669, Email: marco.rust@biologie.uni-kl.de

## S

**Saab**, Aiman Samir, Neurogenetics, Max-Planck-Institute of Experimental Medicine, Hermann-Rein-Str. 3, 37073, Göttingen, Tel.: +49 551 3899787, Email: saab@em.mpg.de

**Sacher**, Till, Sensory Physiology, University of Oldenburg, Carl-von-Ossietzky-Str. 9-11, 26111, Oldenburg, Tel.: +49 176 23749822, Email: till.sacher@uni-oldenburg.de

**Sachse**, Dr. Silke, Department of Evolutionary Neuroethology, Max-Planck-Institute for Chemical Ecology, Hans-Knöll-Str. 8, 07745, Jena, Tel.: +49 3641 571416, Email: ssachse@ice.mpg.de

**Saftig**, Prof. Dr. Paul, Biochemical Institute, Universität Kiel, Olshausenstr. 40, 24098, Kiel, Tel.: +49 431 8802216, Email: psaftig@biochem.uni-kiel.de

**Salinas**, Prof. Patricia C., Cell and Developmental Biology, University College London, 21 University Street, WC1E 6BT, London, United Kingdom, Tel.: +44 20 76796577, Email: p.salinas@ucl.ac.uk

**Salmen**, Benedikt, Neuroscience Research Center, Charité Campus Mitte, Charitéplatz 1, 10117, Berlin, Tel.: +49 30 450539059, Email: benedikt.salmen@charite.de

**Salonikidis**, Dr. Petrus S., Department of Neuro- and Sensory Physiology, DFG Research Center Molecular Physiology of the Brain, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 3919746, Email: psaloni@gwdg.de

**Sandoz**, Dr. Jean-Christophe, Research Center for Animal Cognition, CNRS - Université Paul Sabatier, 118 route de Narbonne, 31062, Toulouse, France, Tel.: +331 +335 6155650, Email: sandoz@cict.fr

**Sartorius**, Dr. Tina, Internal Medicine 4, University of Tübingen, Otfried-Müller-Str. 10, 72076, Tübingen, Tel.: +49 7071 2978748, Email: tina.sartorius@uni-Tuebingen.de

**Saul**, Anika, J.-F.-Blumenbach Institute of Zoology and Anthropology, Georg-August-University of Göttingen, Berliner Str. 28, 37073, Göttingen, Tel.: +49 551 395400, Email: anika\_saul@yahoo.de

**Saumweber**, Timo, Neurobiology and Genetics, University of Würzburg, Biozentrum am Hubland, 97074, Würzburg, Tel.: +49 931 8884463, Email: timo.saumweber@biozentrum.uni-Wuerzburg.de

**Sava**, Aurel Bodgan, Institute of Physiology and Pathophysiology, Johannes Gutenberg University, Duesbergweg 6, 55128, Mainz, Tel.: +49 6131 3926381, Email: sava@uni-mainz.de

**Schachtner**, Prof. Dr. Joachim, Biology - Animal Physiology, Philipps-University Marburg, Karl-von-Frisch-Str. 8, 35032, Marburg, Tel.: +49 6421 2823414, Email: schachtj@staff.uni-marburg.de

**Schäfer**, Dr. Michael K.E., Institute of Anatomy and Cell Biology, Albert-Ludwigs-Universität Freiburg, Albertstr. 17, 79104, Freiburg, Tel.: +49 761 2038425, Email: michael.schaefer@zfn.uni-freiburg.de

**Schaefer**, Katharina, Department of Clinical Physiology and Nuclear Medicine, Glostrup Hospital, Nordre Ringvej 57, 2600, Glostrup, Denmark, Tel.: +45 432 34624, Email: kathschaefer@gmail.com

**Schäfers**, Andrea, Cognitive Neuroscience, Bielefeld University, Universitätsstraße 25, 33615, Bielefeld, Tel.: +49 521 1065704, Email: [aschaefer@uni-bielefeld.de](mailto:aschaefer@uni-bielefeld.de)

**Schapp**, Stefanie, Department of Animal Physiology, University of Leipzig, Institute of Biology II, Talstr. 33, 04103, Leipzig, Tel.: +49 341 9736872, Email: [schapp@uni-leipzig.de](mailto:schapp@uni-leipzig.de)

**Schattschneider**, Sebastian, AG Reinhard Predel, Institut für Allgemeine Zoologie und Tierphysiologie, Erbertstraße 1, 07745, Jena, Tel.: +49 361 949195, Email: [sebastian.schattschneider@uni-jena.de](mailto:sebastian.schattschneider@uni-jena.de)

**Scheffel**, Jörg, Neuropathology, University of Göttingen, Robert-Koch-Straße 40, 37075, Göttingen, Tel.: +49 551 398467, Email: [joerg.scheffel@med.uni-goettingen.de](mailto:joerg.scheffel@med.uni-goettingen.de)

**Scheiblich**, Hanna C., Institute for Neurophysiology, Uniklinik Köln, Robert-Koch-Str. 39, 50931, Köln, Tel.: +49 221 4786946, Email: [toni.schneider@uni-koeln.de](mailto:toni.schneider@uni-koeln.de)

**Scheller**, Anja, Neurogenetik, Max-Planck-Institut für experimentelle Medizin, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 551 3899787, Email: [scheller@em.mpg.de](mailto:scheller@em.mpg.de)

**Scherberger**, Dr. Hans, Institute of Neuroinformatics, Uni | ETH Zurich, Winterthurerstraße 190, 8057, Zürich, Switzerland, Tel.: +41 44 6353019, Email: [hjs@ini.phys.ethz.ch](mailto:hjs@ini.phys.ethz.ch)

**Scherf**, Thomas, Dept. of Neurophysiology, Leibniz-Institute for Neurobiology, Brennekestraße 6, 39118, Magdeburg, Tel.: +49 391 6263430, Email: [thomas.scherf@ifn-magdeburg.de](mailto:thomas.scherf@ifn-magdeburg.de)

**Scheu**, Katharina, Institut für Zoologie III - Abteilung Neurobiologie, Johannes-Gutenberg-Universität, Colonel-Kleinmann-Weg 2, 55099, Mainz, Tel.: +49 6131 3924482, Email: [scheukat@students.uni-mainz.de](mailto:scheukat@students.uni-mainz.de)

**Scheuss**, Dr. Volker, Cellular and Systems Neurobiology, Max Planck Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783722, Email: [scheuss@neuro.mpg.de](mailto:scheuss@neuro.mpg.de)

**Schiff**, Miriam, Cellular Chemistry, Hanover Medical School, Carl-Neuberg-Straße 1, 30625, Hannover, Tel.: +49 511 5323367, Email: [schiff.miriam@mh-hannover.de](mailto:schiff.miriam@mh-hannover.de)

**Schindler**, Dr. Jens, Neurogenetics, University of Oldenburg, Carl-von-Ossietzky-Str. 7-11, 26129, Oldenburg, Tel.: +49 441 7982937, Email: [jens.schindler@uni-oldenburg.de](mailto:jens.schindler@uni-oldenburg.de)

**Schipper**, Marc, Institute for Human Neurobiology, University Bremen, Hochschulring 18, 28359, Bremen, Tel.: +49 421 21863003, Email: [schipper.marc@gmail.com](mailto:schipper.marc@gmail.com)

**Schiwy**, Nora, Molekulare Neurobiologie, Heinrich-Heine-Universität, Neurologische Klinik, Universitätsstr. 1, 40225, Düsseldorf, Tel.: +49 211 8114436, Email: [noraschiwy@googlemail.com](mailto:noraschiwy@googlemail.com)

**Schlegel**, Christine, Department Biologie; Lehrstuhl für Tierphysiologie, Universität Erlangen - Nürnberg, Staudtstr. 5, 91058, Erlangen, Tel.: +49 9131 8528012, Email: [christine\\_julie\\_schmid@gmx.net](mailto:christine_julie_schmid@gmx.net)

**Schlich**, Katrin, Experimentelle Ophthalmologie, Westfälische Wilhelms-Universität, Münster, Domagkstr. 15, 48149, Münster, Tel.: +49 251 8356040, Email: [schlich.katrin@googlemail.com](mailto:schlich.katrin@googlemail.com)

**Schloss**, Dr. Patrick, Biochemisches Labor, Zentralinstitut für Seelische Gesundheit, J5, 68159, Mannheim, Tel.: +49 621 17032901, Email: [patrick.schloss@zi-mannheim.de](mailto:patrick.schloss@zi-mannheim.de)

**Schlosser**, Corinna, Neurology, Neurology, Waldweg 33, 37073, Göttingen, Tel.: +49 551 394749, Email: [corinna\\_schlosser@gmx.de](mailto:corinna_schlosser@gmx.de)

**Schmeer**, PhD Christian Walter, Neurology, Friedrich-Schiller-University, Erlanger Allee 101, 07745, Jena, Tel.: +49 3641 9325901, Email: [christian.schmeer@med.uni-jena.de](mailto:christian.schmeer@med.uni-jena.de)

**Schmeling**, Fabian, AG Homberg, Philipps-Universität-Marburg, Karl-von-Fisch-Straße 8, 35043, Marburg, Tel.: +49 6421 948901, Email: [Schmelif@Students.Uni-Marburg.de](mailto:Schmelif@Students.Uni-Marburg.de)

**Schmid**, Christina, Institute of Neurobiology, University of Ulm, Albert-Einstein-Allee 11, 89069, Ulm, Tel.: +49 731 5022645, Email: [christina.schmid@uni-ulm.de](mailto:christina.schmid@uni-ulm.de)

**Schmidt**, M.Sc. Saskia, Department of Animal Physiology, Ruhr-University Bochum, Universitätsstr.150, 44780, Bochum, Tel.: +49 234 3224483, Email: [saskiaschmidt@aol.com](mailto:saskiaschmidt@aol.com)

**Schmidt**, PhD Mathias V., Molecular Stress Physiology, Max-Planck-Institute of Psychiatry, Kraepelinstr. 2-10, 80804, München, Tel.: +49 89 30622519, Email: [mschmidt@mpipsykl.mpg.de](mailto:mschmidt@mpipsykl.mpg.de)



**Schmidt**, Dr. Silvio, Clinic of Neurology, Experimental Neurology, Friedrich-Schiller-University, Erlanger Allee 101, 07747, Jena, Tel.: +49 3641 9325900, Email: silvio.schmidt@med.uni-jena.de

**Schmidt**, Dipl. Biol. Mirko, RG Developmental Neurobiology, Dept. Neurochemistry, Max-Planck-Institut für Brain Research, Deutschordenstr. 46, 60528, Frankfurt am Main, Tel.: +49 69 96769319, Email: mirkoschmidt@mpih-frankfurt.mpg.de

**Schmidt**, Prof. Dr. Rupert, Biotechnology Centre, Justus-Liebig-University, Leihgesterner Weg 217, 35392, Gießen, Tel.: +49 641 9916500, Email: Rupert.Schmidt@zbb.uni-giessen.de

**Schmidt**, M.Sc. Robert, Institute for Theoretical Biology, BCCN Berlin, Invalidenstr. 43, 10115, Berlin, Tel.: +49 30 20938926, Email: r.schmidt@biologie.hu-berlin.de

**Schmidt**, Dr. Hannes, Developmental Neurobiology, Max-Delbrück-Center for Molecular Medicine, Robert-Rössle-Str. 10, 13125, Berlin, Tel.: +49 30 94063583, Email: hannes.schmidt@mdc-berlin.de

**Schmidt**, Dr. Joachim, Department of Zoology, Universität Köln, Weyertal 119, 50923, Köln, Tel.: +49 221 4706135, Email: joachim.schmidt@uni-koeln.de

**Schmidt**, Katharina, Department of Neurobiology, University Oldenburg, Carl-von-Ossietzky-Str. 9-11, 26111, Oldenburg, Tel.: +49 441 7983202, Email: kathifue@googlemail.com

**Schmidtke**, Dipl.-Biol. Daniel, Institute of Zoology, Auditory Neuroethology and Neurobiology Lab, University of Veterinary Medicine, Bünteweg 17, 30559, Hannover, Tel.: +49 511 9538403, Email: Daniel\_schmidtke@gmx.net

**Schmitt**, Dr. Andrea, Dept. of Psychiatry and Psychotherapy, University of Göttingen, Von-Siebold-Straße 5, 37075, Göttingen, Tel.: +49 551 3910633, Email: aschmit@gwdg.de

**Schmitt**, Dr. Ina, Department of Neurology, University of Bonn, Sigmund-Freud-Str. 25, 53105, Bonn, Tel.: +49 228 28716130, Email: ina.schmitt@ukb.uni-bonn.de

**Schmitt**, Prof. Dr. Oliver, Anatomy, University of Rostock, Gertrudenstr. 9, 18055, Rostock, Tel.: +49 381 4948408, Email: schmitt@med.uni-rostock.de

**Schmitt**, PhD Angelika G., Clinic for Psychiatry, Psychosomatic and Psychotherapy, University of Würzburg, Fuechsleinstr., 97080, Würzburg, Tel.: +49 931 20177350, Email: angelica\_schmitt@yahoo.de

**Schmucker**, Dietmar, Department of Neurobiology, Harvard Medical School, 1 Jimmy Fund Way, 02115 MA, Boston, USA, Tel.: +49 617 6322453, Email: dietmar\_schmucker@dfci.harvard.edu

**Schmucker**, Dr. phil. nat. Michael, Institut für Biologie - Neurobiologie, Freie Universität Berlin, Königin-Luise-Str. 28-30, 14195, Berlin, Tel.: +49 30 83856692, Email: m.schmucker@fu-berlin.de

**Schnauffer**, Carina, Institute of Physiology, University of Hohenheim, Garbenstr. 30, 70599, Stuttgart, Tel.: +49 711 45922270, Email: Carina.Schnauffer@web.de

**Schneeberg**, Jenny, Project group Neuropharmacology, Leibniz Institute for Neurobiology, Brenneckestraße 6, 39118, Magdeburg, Tel.: +49 391 6117503, Email: jenny.schneeberg@zenit-magdeburg.de

**Schneider**, Prof. Dr. Toni, Institute for Neurophysiology and CMMC, Uniklinik Köln, Robert-Koch-Str. 39, 50931, Köln, Tel.: +49 221 4786946, Email: toni.schneider@uni-koeln.de

**Schneider**, Dipl.-Biol. Peggy, Psychopharmakologie, Zentralinstitut für seelische Gesundheit, J 5, 68159, Mannheim, Tel.: +49 621 6260, Email: peggy.schneider@zi-mannheim.de

**Schneider**, Nico, Molecular Neurogenetics, MPI of Biophysics Frankfurt, Max-von-Laue-Straße 3, 60438, Frankfurt am Main, Tel.: +49 69 63034012, Email: Nico.Schneider@mpibp-frankfurt.mpg.de

**Schnell**, Bettina, Department of Systems and Computational Neurobiology, Max-Planck-Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783286, Email: schnell@neuro.mpg.de

**Schnell**, Christian, Abteilung Neuro- und Sinnesphysiologie, Universitätsmedizin Göttingen, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 3812205, Email: cschnel@gwdg.de

**Schob**, Claudia, Institute for Human Genetics, University Medical Center Hamburg-Eppendorf, Martinistraße 52, 20246, Hamburg, Tel.: +49 40 428034615, Email: Claudia.Schob@studium.uni-hamburg.de



**Schober**, Dr. Andreas, Neuroanatomy, University of Heidelberg, INF 307, 69120, Heidelberg, Tel.: +49 6221 548229, Email: andreas.schober@urz.uni-heidelberg.de

**Schöbel**, Nicole, Department of Cell Physiology, Ruhr-University Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3226718, Email: nicole.schoebel@gmx.de

**Schöne**, Cornelia, Molekular Biology, Leibniz Institut für Neurobiologie, Raiffeisenstraße 29, 39112, Magdeburg, Tel.: +49 391 5596360, Email: Cornelia.Schoene@gmx.net

**Schöneich**, Stefan, Department of Zoology, University of Cambridge, Downing Street, CB2 3EJ, Cambridge, United Kingdom, Tel.: +44 1223 336637, Email: ss817@cam.ac.uk

**Schoenenberger**, Philipp, Neurobiology, Friedrich Miescher Institute, Maulbeerstraße 66, 4058, Basel, Switzerland, Tel.: +41 61 6978568, Email: philipp.schoenenberger@fmi.ch

**Scholz**, Dr. Henrike, LS Genetik und Neurobiologie, University of Würzburg, Am Hubland LS Genetik, 97074, Würzburg, Tel.: +49 931 8884479, Email: henrike.scholz@biozentrum.uni-Würzburg.de

**Schomburg**, Prof. Dr. Eike D., Arbeitsgruppe Schomburg, Institute of Physiology, Waldweg 33, 37073, Göttingen, Tel.: +49 551 395927, Email: eschomb@gwdg.de

**Schram**, Dr. Armin, , August-Bolten-Weg 1, 22587, Hamburg

**Schreiber**, Dr. Susanne, Theoretical Biology, Humboldt-University Berlin, Invalidenstr. 43, 10115, Berlin, Tel.: +49 30 20938652, Email: s.schreiber@biologie.hu-berlin.de

**Schreiber**, Cornell, Institute of Cognitive Science, University of Osnabrück, Albrechtstr. 28, 49069, Osnabrück, Tel.: +49 541 9692407, Email: coschrei@uos.de

**Schriever**, Valentin, Department of Neurophysiology and Cellular Biophysics, University Göttingen, Valentinsbreite 7, 37077, Göttingen, Tel.: +49 551 2504895, Email: valentin.schriever@mac.com

**Schrobsdorff**, Hecke, Max-Planck Institute for Dynamics and Self-Organization Göttingen, Bernstein-Center for Computational Neuroscience Göttingen, Bunsenstraße 10, 37073, Göttingen, Tel.: +49 551 5176441, Email: hecke@nld.ds.mpg.de

**Schroeder**, Dr. Olaf H.-U., R&D, NeuroProof GmbH, Friedrich-Barnewitz-Str. 4, 18119, Rostock, Tel.: +49 381 54345660, Email: olaf.schroeder@neuroproof.com

**Schubert**, Dr. Martin, Paraplegic Centre, University Hospital Balgrist, Forchstr. 340, 8008, Zürich, Switzerland, Tel.: +41 44 3863901, Email: volker.dietz@balgrist.ch

**Schubert**, Dr. Marco, Department of Evolutionary Neuroethology, Max-Planck-Institute For Chemical Ecology, Hans-Knöll-Straße 8, 07745, Jena, Tel.: +49 3641 571410, Email: mschubert@ice.mpg.de

**Schuckel**, Julia, Department of Physiology and Biophysics, Dalhousie University, College Street, B3H4H7, Halifax, NS, Canada, Tel.: +1 902 4942673, Email: Julia.Schuckel@dal.ca

**Schuemann**, Anne, Cellular and Systems Neurobiology, Max-Planck-Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783666, Email: schuemann@neuro.mpg.de

**Schütt**, Janin, Institut für Humangenetik, Universitätsklinikum Hamburg-Eppendorf, Martinistraße 52, 20246, Hamburg, Tel.: +49 40 428034615, Email: j.schuett@uke.uni-hamburg.de

**Schulte**, Roswitha, Biologie, Uni Bochum, Im Ostholz 98 e, 44879, Bochum, Tel.: +49 175 9697538, Email: Roswitha.Schulte@rub.de

**Schultz**, Dr. Konrad, Neurobiology, University of Oldenburg, Carl-von-Ossietzky-Straße 9-11, 26111, Oldenburg, Tel.: +49 441 7983202, Email: konrad.schultz@uni-oldenburg.de

**Schulz**, Kristina, Neurophysiology, Leibniz Institute for Neurobiology, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263431, Email: kristina.schulz@ifn-magdeburg.de

**Schulz-Klaus**, Dr. Brigitte, Lehrstuhl Tierphysiologie, Universität Tübingen, Auf der Morgenstelle 28, 72076, Tübingen, Tel.: +49 7071 2977393, Email: brigitte.schulz-klaus@zool.uni-Tuebingen.de

**Schulze**, Dipl.-Biologin Christina, Oculomotor Group, Anatomische Anstalt der LMU, Pettenkofer Str.11, 80336, München, Tel.: +49 89 51604874, Email: christina.schulze@med.uni-Muenchen.de



**Schulze**, Prof. Dr. Holger, Experimental Otolaryngology, University of Erlangen-Nürnberg, Waldstr. 1, 91054, Erlangen, Tel.: +49 176 24199603, Email: Holger.Schulze@uk-erlangen.de

**Schumacher**, PhD Stefanie Birgitta, Anatomie und Zellbiologie, Universität Heidelberg, Im Neuenheimer Feld 307, 69120, Heidelberg, Tel.: +49 6221 548609, Email: schumacher@ana.uni-heidelberg.de

**Schumann**, Marlen, Project group Neuropharmacology, Leibniz Institute for Neurobiology, Brennekestr. 6, 39118, Magdeburg, Tel.: +49 391 6117503, Email: marlen.schumann@zenit-magdeburg.de

**Schuppe**, Dr. Hansjürgen, School of Biological Sciences, University of Southampton, Building 62, Boldrewood Campus, SO16 7PX, Southampton, United Kingdom, Tel.: +44 23 80594235, Email: hs8@soton.ac.uk

**Schwab**, Prof. Dr. Dr. Jan, Neurology & Exp. Neurology, Charité, Charitéplatz 1, 10117, Berlin, Tel.: +49 30 459560293, Email: jan.schwab@charite.de

**Schwab**, Dr. Markus, Neurogenetics, Max-Planck-Institute of Experimental Medicine, Hermann-Rein-Straße 3, 37075, Göttingen, Tel.: +49 551 3899730, Email: schwab@em.mpg.de

**Schwabe**, Dr. Lars, Cognitive Psychology, Ruhr-University Bochum, Universitätsstraße 150, 44780, Bochum, Tel.: +49 234 3229324, Email: Lars.Schwabe@rub.de

**Schwalger**, Tilo, Stochastische Prozesse in der Biophysik, Max-Planck-Institut für Physik komplexer Systeme, Nöthnitzer Straße 38, 01187, Dresden, Tel.: +49 351 8711128, Email: tilo@mpipks-dresden.mpg.de

**Schwarting**, Prof. Dr. Rainer K.W., Experimental and Biological Psychology, Philipps-University of Marburg, Gutenbergstr. 18, 35032, Marburg, Tel.: +49 6421 2823639, Email: schwarti@staff.uni-marburg.de

**Sedmak**, Tina, Department of Cell and Matrix Biology, Institute of Zoology, Johannes Gutenberg University Mainz, Müllerweg 6, 55099, Mainz, Tel.: +49 6131 3922880, Email: sedmak@students.uni-mainz.de

**Seeger**, Dr. Thomas, Clinical Pharmacology, Bundeswehr-Institute of Pharmacology and Toxicology, Neuherbergstr. 11, 80937, München, Tel.: +49 89 31682302, Email: thomasseeger@bundeswehr.org

**Seffer**, Dominik, Department of Cognitive Neuroscience, University of Tübingen, Auf der Morgenstelle 28, 72074, Tübingen, Tel.: +49 7071 301771, Email: dominik.seffer@gmx.de

**Segelcke**, Daniel, Department of Animal physiology, Ruhr-Universität Bochum, Universitätstr. 150, 44801, Bochum, Tel.: +49 234 3224325, Email: DanielSegelcke@web.de

**Segerling**, Christina Charlotte, General zoology and neurobiology, Faculty of Biology and Biotechnology, Universitätstr. 150, 44780, Bochum, Tel.: +49 234 3224353, Email: christina.segerling@rub.de

**Seid-Fatemi**, Azade, Institute of cognitive Neuroscience, Department of Biopsychology, Ruhr-University, Universitätsstraße 150, 44780, Bochum, Tel.: +49 234 3226804, Email: Azade.Seid-Fatemi@ruhr-uni-bochum.de

**Seidel**, Dr. Katja, Department of Zoology/Developmental Neurobiology, Otto-von-Guericke-University Magdeburg, Leipziger Straße 44, 39120, Magdeburg, Tel.: +49 391 55015, Email: katja.seidel@ovgu.de

**Seidenbecher**, Dr. Thomas, Institut für Physiologie I, Westfälische Wilhelms-Universität Münster, Robert-Koch-Str. 27a, 48149, Münster, Tel.: +49 251 8355561, Email: seidenbe@uni-muenster.de

**Seidenbecher**, Dr. Constanze, Neurochemistry, Leibniz-Institute for Neurobiology, Brennekestr. 6, 39118, Magdeburg, Tel.: +49 391 6263218, Email: seidenc@ifn-magdeburg.de

**Selle**, Karolin, Department of Neurobiology, University of Osnabrück, Barbarastrasse 11, 49076, Osnabrück, Tel.: +49 541 9692876, Email: selle@biologie.uni-osnabrueck.de

**Ševc**, Dr. Juraj, Institute of Biology and Ecology, Faculty of Sciences, P.J.Šafárik University, Moyzes street 11, 4001, Košice, Slovak Republic, Slovakia, Tel.: +42 421 908818888, Email: juraj.sevc@upjs.sk  
**Sgourdou**, Paraskevi, Cortical Development Group, Max-Planck-Institute for Experimental Medicine, Hermann-Rein-Straße 3, 37075, Göttingen, Tel.: +49 551 3899372, Email: sgourdou@em.mpg.de

**Shin**, Yong, Molecular Neurobiology, Max-Planck-Institute for Experimental Medicine, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 551 3899714, Email: shin@em.mpg.de

**Shuai**, Lan, Department of Electronic Engineering, The Chinese University of Hong Kong, Shatin, 0, Hong Kong, China, Tel.: +852 94197207, Email: lshuai@ee.cuhk.edu.hk

**Shumake**, Jason, Department of Auditory Learning and Speech, Leibniz Institut für Neurobiologie, Brenneckestraße 6, 39118, Magdeburg, Tel.: +49 391 6263344, Email: antonilango@hotmail.com

**Sieber**, Michaela, Institut of Membranephysiology, University of Hohenheim, Garbenstraße 30, 70599, Stuttgart, Tel.: +49 711 45922140, Email: siebermi@uni-hohenheim.de

**Sieber**, Dipl.-Ing. (FH) Matthias W., Department of Neurology, University Hospital Jena, Erlanger Allee 101, 07743, Jena, Tel.: +49 3641 9325868, Email: Matthias.Sieber@med.uni-jena.de

**Siebert**, Dr. Heike, Institute of Neuropathology, University of Göttingen, University Medicine, Robert-Koch-Straße 40, 37075, Göttingen, Tel.: +49 551 396617, Email: hsiebert@med.uni-goettingen.de

**Siegel**, Friederike, Synapse and Network Development, Netherlands Institute for Neuroscience, Meibergdreef 47, 1105 BA, Amsterdam, Netherlands, Tel.: +31 20 5665079, Email: f.siegel@nin.knaw.nl

**Simeone**, Luca, Institut für Biochemie, Universität Erlangen-Nürnberg, Fahrstraße 17, 91054, Erlangen, Tel.: +49 9131 8522479, Email: luca.simeone@biochem.uni-erlangen.de

**Simon**, B.Sc. Ole Jan, Neurologie, Universität Würzburg, Josef-Schneider-Str. 11, 97080, Würzburg, Tel.: +49 931 201232256, Email: ole-simon@gmx.de

**Singer**, Wibke, HNO Tübingen, Molecular Neurobiology, Universität Tübingen, Elfriede-Aulhorn-Str. 5, 72076, Tübingen, Tel.: +49 7071 2988246, Email: Wibke.Singer@gmx.de

**Singhal**, PhD Nidhi, Genetics and Neurobiology, Julius-Maximilians-University of Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 931 8884481, Email: nidhisinghalj@gmail.com

**Singheiser**, Martin, Institute for Biology II, RWTH Aachen University, Kopernikusstraße 16, 52074, Aachen, Tel.: +49 241 8024841, Email: martin@bio2.rwth-aachen.de

**Sinha**, Raunak, Dept. of Membrane Biophysics, Max-Planck Institute for Biophysical Chemistry, Am Fassberg 11, 37077, Göttingen, Tel.: +49 551 2011662, Email: raunak.85@gmail.com

**Sinkus**, Dr. Ralph, Laboratoire Ondes et Acoustique, ESPCI, 10 rue Vauquelin, 75005, Paris, France, Tel.: +331 1 40794479, Email: ralph.sinkus@espci.fr

**Sirko**, Dr. Svetlana, Department of Tissue Morphogenesis, Max-Planck-Institute for Molecular Biomedicine, Röntgenstraße 20, 48149, Münster, Tel.: +49 251 70365432, Email: Svetlana.Sirko@mpi-muenster.mpg.de

**Smalla**, Dr. Karl-Heinz, Speziallabor für Molekularbiologische Techniken, Leibniz-Institut für Neurobiologie, Brenneckestraße 6, 39118, Magdeburg, Tel.: +49 391 6263222, Email: smalla@ifn-magdeburg.de

**Smarandache**, Dr. Carmen Ramona, Department of Neurobiology, Physiology, and Behavior, University of California, Davis, One Shields Avenue, 95616, Davis, CA, USA, Tel.: +1 530 7521562, Email: carmen@neurobiologie.de

**Snijders**, Dirk H J, Department of Neurophysiology and Pathophysiology, University Medical Center Hamburg-Eppendorf, Martinistraße 52, 20246, Hamburg, Tel.: +49 40 428035736, Email: d.snijders@uke.uni-hamburg.de

**Sombke**, Andy, Department of Evolutionary Neuroethology, Max-Planck-Institute for Chemical Ecology, Hans-Knöll-Straße 8, 07745, Jena, Tel.: +49 3641 571467, Email: asombke@ice.mpg.de

**Somogyi**, Ildiko, General Zoology, University of Pecs, Ifjúság útja 6., 7604, Pecs, Hungary, Tel.: +36 72 503634, Email: ildiko.somogyi83@gmail.com

**Sonderegger**, Prof. Peter, Department of Biochemistry, University of Zurich, Winterthurerstr. 190, 8057, Zürich, Switzerland, Tel.: +41 44 6355541, Email: peter.sonderegger@bioc.uzh.ch

**Soriano-Fradera**, Dr. Jordi, Physics of Complex Systems, Weizmann Institute of Science, Weizmann Institute 1, IL-76100, Rehovot, Israel, Tel.: +972 8 9344439, Email: jsfradera@gmail.com

**Sosniyenko**, Dr. Serhiy, Department of Neurohumoral Regulations, Institute of Physiology, v.v.i. Academy of Sciences of the Czech Republic, Videnska 1083, 142 20, Prague, Czech Republic, Tel.: +42 24 1062407, Email: sosniyenko@gmail.com

**Soykan**, Tolga, Molecular Neurobiology, Max-Planck-Institute of Experimental Medicine, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 551 3899696, Email: soykan@em.mpg.de



**Spalthoff**, Christian, Department of Neurobiology, Bielefeld University, P.O. box 100131, 33501, Bielefeld, Tel.: +49 521 1065727, Email: Christian.Spalthoff@uni-bielefeld.de

**Specht**, Dr. Dana, Department of Neuroanatomy, Max-Planck-Institute for Brain Research, Deutschordenstr. 46, 60528, Frankfurt/M., Tel.: +49 69 96769259, Email: brauner@mpih-frankfurt.mpg.de

**Spehr**, Dr. Jennifer, Dept. Cellular Physiology, Ruhr-University Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3225844, Email: jennifer.spehr@rub.de

**Spehr**, Dr. Marc, Dept. Cellular Physiology, Ruhr-University Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3225843, Email: marc.spehr@rub.de

**Spiwoks-Becker**, Dr. Isabella, Anatomy and Cell Biology, Johannes-Gutenberg University, Becherweg 13, 55128, Mainz, Tel.: +49 6131 3924612, Email: spiwoks@uni-mainz.de

**Spors**, Dr. Hartwig, Dept. Molecular Neurogenetics, MPI of Biophysics Frankfurt, Max-von-Laue-Straße 3, 60438, Frankfurt am Main, Tel.: +49 69 63034005, Email: haspors@mpibp-frankfurt.mpg.de

**Spuehler**, Isabelle, Institute of Neuroinformatics, UZH/ETH, Winterthurerstraße 190, 8057, Zürich, Switzerland, Tel.: +41 44 8604862, Email: ispuehle@student.ethz.ch

**Staedele**, Carola, Institute for Neurobiology, Ulm University, Albert-Einstein-Allee 11, 89069, Ulm, Tel.: +49 731 5022466, Email: carola@neurobiologie.de

**Stahr**, Anna, Experimental Neurology, Department of Neurology, Erlanger Allee 101, 07747, Jena, Tel.: +49 3641 9325914, Email: anna.stahr@med.uni-jena.de

**Stange**, Nicole, Institut of Biology, Behavioural Physiology, Humboldt-University Berlin, Invalidenstraße 43, 10115, Berlin, Tel.: +49 30 20938729, Email: stangenic@o2online.de

**Stangl**, Christian, Dept. of Membrane and Neurophysics, Max-Planck-Institute for Biochemistry, Am Klopferspitz 18, 82152, Martinsried/München, Tel.: +49 89 85783927, Email: stangl@biochem.mpg.de

**Stanke**, Dr. Matthias Ernst Ulrich, Neurochemistry, Institute of Cell Biology and Neuroscience, Max-von-Laue-Str. 9, 60438, Frankfurt am Main, Tel.: +49 69 79829604, Email: M.Stanke@bio.uni-frankfurt.de

**Staudé**, Dr. Benjamin, Bernstein Center for Computational Neuroscience, Freiburg, Albert-Ludwigs University, Freiburg, Hansastr. 9a, 79104, Freiburg, Tel.: +49 761 2039324, Email: staudé@bccn.uni-freiburg.de

**Steck**, Kathrin, Dept. of Evolutionary Neuroethology, MPI for Chemical Ecology, Hans-Knöll-Straße 8, 07745, Jena, Tel.: +49 3641 571466, Email: ksteck@ice.mpg.de

**Steckler**, PhD Thomas, Translational Sciences, Johnson&Johnson, Turnhoutseweg 30, 2340, Beerse, Belgium, Tel.: +321 14 607373, Email: tsteckl@its.jnj.com

**Steffens**, Dr. Heinz, Abt. Neuro- und Sinnesphysiologie, Institute of Physiology, University of Göttingen, Waldweg 33, 37073, Göttingen, Tel.: +49 551 3912204, Email: hstefte@gwdg.de

**Stegen**, Michael, Cellular Neurophysiology, Dept. of Neurosurgery, University Medical Center Freiburg, Breisacher Str. 64, 79106, Freiburg, Tel.: +49 761 2705358, Email: michael.stegen@uniklinik-freiburg.de

**Stein**, Dr. Wolfgang, Institute of Neurobiology, Ulm University, Albert-Einstein-Allee 11, 89069, Ulm, Tel.: +49 731 5022636, Email: wstein@neurobiologie.de

**Steiner**, Tanja, Institut für Neurobiologie, Heinrich-Heine University Düsseldorf, Universitätsstraße 1, 40225, Düsseldorf, Tel.: +49 211 8110583, Email: steiner-tanja@web.de

**Steiner**, André, Bleckmann, Institut für Zoology, Poppelsdorfer Schloß, 53115, Bonn, Tel.: +49 228 735474, Email: andre.steiner@uni-bonn.de

**Stemmler**, PhD Torsten, Zentrum für Kognitionswissenschaften, Universität Bremen, Hochschulring 18, 28359, Bremen, Tel.: +49 421 21862995, Email: stemmler@uni-bremen.de

**Stengl**, PhD Monika, Biology, Animal Physiology, University of Kassel, Heinrich-Plett-Str. 40, 34132, Kassel, Tel.: +49 561 8044564, Email: stengl@staff.uni-marburg.de

**Stephan**, Valeska Marija, Cognitive Neuroscience Laboratory, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851344, Email: vstepha@gwdg.de

**Stern**, Dr. Michael, Cell Biology, University of Veterinary Medicine Hannover, Bischofsholer Damm 15, 30173, Hannover, Tel.: +49 511 8567767, Email: michael.stern@tiho-hannover.de

**Stern**, Sina, Interfakultäres Institut für Zellbiologie, Abteilung Molekularbiologie, AG Knöll, Universität Tübingen, Auf der Morgenstelle 15, 72076, Tübingen, Tel.: +49 7071 2978844, Email: sina.stern@uni-tuebingen.de

**Stett**, Dr. Alfred, Physical Engineering and Biophysics, NMI Naturwissenschaftliches und Medizinisches Institut, Markwiesenstr. 55, 72770, Reutlingen, Tel.: +49 7121 5153070, Email: stett@nmi.de

**Stetter**, Olav, Nonlinear Dynamics, MPI for Dynamics and Self-Organization, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 5176444, Email: olav.stetter@nld.ds.mpg.de

**Steuble**, Dr. Martin, Department of Biochemistry, University of Zurich, Winterthurerstraße 190, 8057, Zurich, Switzerland, Tel.: +41 44 6355523, Email: steuble@bioc.uzh.ch

**Stevenson**, Dr. Paul Anthony, Institute for Biology-II, Leipzig University, Talstr. 33, 04103, Leipzig, Tel.: +49 341 9736879, Email: stevenson@rz.uni-leipzig.de

**Stieb**, Sara Mae, Dep. of Behavioral Physiology & Sociobiology, Biozentrum, Universität Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 931 8884314, Email: sara-mae.stieb@biozentrum.uni-wuerzburg.de

**Stierle**, Jacob, Department of Biology, Universität Konstanz, Universitätsstraße 10, 78457, Konstanz, Tel.: +49 7531 882117, Email: jacob.stierle@uni-konstanz.de

**Stocker**, PhD Bettina, Department of Neurobiology, Freie Universität Berlin, Königin-Luise-Str. 28/30, 14195, Berlin, Tel.: +49 330 83856282, Email: bettina.stocker@web.de

**Stösser**, Sebastian, Pharmakologisches Institut, Universitätsklinikum Heidelberg, Im Neuenheimer Feld 129, 69120, Heidelberg, Tel.: +49 6221 548633, Email: sebastian.stoesser@pharma.uni-heidelberg.de

**Strauch**, Dipl.-Inform. Martin, Neurobiologie, AG Galizia, Universität Konstanz, Universitätsstraße 10, 78457, Konstanz, Tel.: +49 7531 882096, Email: Martin.Strauch@uni-konstanz.de

**Strauss**, Prof. Dr. Roland, Inst. fuer Zoologie III - Neurobiologie, Johannes-Gutenberg-Universität Mainz, Col.-Kleinmann-Weg 2, 55099, Mainz, Tel.: +49 6131 3925034, Email: rstrauss@uni-mainz.de

**Strenzke**, Dr. Nicola, Dept. of Otolaryngology, University of Göttingen, Robert-Koch-Str. 40, 37075, Göttingen, Tel.: +49 551 3922234, Email: NStrenzke@med.uni-goettingen.de

**Stritih**, Dr. Nataša, Dept. of Entomology, National Institute of Biology, Vecna pot 111, SI 1001, Ljubljana, Slovenia, Tel.: +386 1 4233388, Email: nataša.stritih@nib.si

**Stritt**, Christine Carina, Interfakultäres Institut für Zellbiologie, Abteilung Molekularbiologie, AG Knöll, Universität Tübingen, Auf der Morgenstelle 15, 72076, Tübingen, Tel.: +49 7071 2978844, Email: fine.fiedler@web.de

**Stroh**, Dr. Albrecht, Institute of Neuroscience, Technical University of Munich, Biedersteiner Str. 29, 80802, München, Tel.: +49 89 41403367, Email: albrecht.stroh@lrz.tum.de

**Strong**, Prof. Dr. Anthony John, Department of Clinical Neuroscience, Institute of Psychiatry, King's College London, De Crespigny Park, SE5 8AF, London, United Kingdom, Tel.: +44 20 32991715, Email: anthony.strong@kcl.ac.uk

**Strotmann**, Jörg, Physiology, Universität Hohenheim, Garbenstraße 30, 70593, Stuttgart, Tel.: +49 711 45923137, Email: strotman@uni-hohenheim.de

**Strutz**, Antonia, Evolutionary Neuroethology, Max-Planck-Institute for Chemical Ecology, Hans-Knöll-Straße 8, 07745, Jena, Tel.: +49 3641 571453, Email: astrutz@ice.mpg.de

**Stühmer**, Prof. Walter, MBNS, MPI Exp. Med., Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 551 3899646, Email: ws@em.mpg.de

**Stürzl**, Dr. Wolfgang, Neurobiology, Bielefeld University, P.O. Box 100131, 33501, Bielefeld, Tel.: +49 179 8861845, Email: wolfgang.stuerzl@uni-bielefeld.de

**Stumpner**, Prof. Dr. Andreas, JFB-Institut für Zoologie, Abt. Neurobiologie, Georg-August-Universität Göttingen, Berliner Str. 28, 37073, Göttingen, Tel.: +49 551 395574, Email: astumpn@gwdg.de



**Suder**, PhD Piotr, Neurobiochemistry Department, Faculty of Chemistry, Jagiellonian University, Ingardena 3 st., 30-060, Krakow, Poland, Tel.: +48 12 6635603, Email: suder@chemia.uj.edu.pl

**Sultan**, Dr. Fahad, Cognitive Neurology, Hertie-Institute for Clinical Brain Research, Otfried-Müller-Str 27, 72076, Tübingen, Tel.: +49 7071 551022, Email: fahad.sultan@uni-Tuebingen.de

**Supèr**, PhD Hans, Basic Psychology, ICREA/UB, Pg Vall d'Hebron 171, 08035, Barcelona, Spain, Tel.: +349 3 3125158, Email: hans.super@icrea.es

**Svoboda**, Mag. Nina, Department of Cell Biology, University of Salzburg, Hellbrunnerstr. 34, 5020, Salzburg, Austria, Tel.: +43 662 80445648, Email: nina.svoboda@sbg.ac.at

**Svobodová**, PhD Irena, Department of Cellular and Molecular Neuroendocrinology, Academy of Sciences of Czech Republic, Institute of Physiology, Videnska 1083, 14200, Prague, Czech Republic, Tel.: +42 2 41062160, Email: irenas@biomed.cas.cz

**Szabó**, Dr. Andrea, Department of Public Health, University of Szeged, Dóm tér 10., H-6720, Szeged, Hungary, Tel.: +36 62 545119, Email: szaboa@puhe.szote.u-szeged.hu

**Szyszka**, Dr. Paul, Fachbereich Biologie - Neurobiologie, Universität Konstanz, Universitätsstr. 10, 78457, Konstanz, Tel.: +49 7531 882115, Email: paul.szyszka@uni-konstanz.de

## T

**'t Hart**, Bernard Marius, AG Neurophysik, Philipps-Universität Marburg, Renthof 7, 35032, Marburg, Tel.: +49 6421 2824176, Email: marius.thart@physik.uni-marburg.de

**Tabassum**, Heena, Neurophysiology, Leibniz - Institute for Neurobiology, Brenneckerstr. 6, 39118, Magdeburg, Tel.: +49 391 6263430, Email: Heena.Tabassum@ifn-magdeburg.de

**Tanimoto**, Hiromu, Behavioural Genetics, Max-Planck-Institut für Neurobiologie, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783492, Email: hiromut@neuro.mpg.de

**Tarabova**, PhD Bohumila, AG Tierphysiologie, TU Kaiserslautern, Erwin-Schrödinger-Straße 13, 67663, Kaiserslautern, Tel.: +49 631 2052501, Email: boba.tarabova@biologie.uni-kl.de

**Tarabykin**, Dr. Victor, Cortical Development, Max-Planck-Institute for Experimental Medicine, Hermann-Rein-Str. 3, 37085, Göttingen, Tel.: +49 551 3899656, Email: tarabykin@em.mpg.de

**Tchumatchenko**, Tatjana, Nonlinear Dynamics, MPI for Dynamics and Self-Organization, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 5176550, Email: tatjana@nld.ds.mpg.de

**Tegenge**, Million Adane, Department of Physiology, Division of Cell Biology, University of Veterinary Medicine Hannover, Bischofsholer Damm 15, 30173, Hannover, Tel.: +49 511 8567766, Email: mtegenge@tiho-hannover.de

**Tejero Cantero**, Álvaro, Leibold, GSN - LMU München, Großhaderner Str. 2, 82152, Planegg-Martinsried, Tel.: +49 89 218074355, Email: tejero@biologie.uni-Muenchen.de

**Telenczuk**, Bartosz, Institute for Theoretical Biology, Humboldt-Universität zu Berlin, Invalidenstraße 43, 10115, Berlin, Tel.: +49 30 20938838, Email: b.telenczuk@biologie.hu-berlin.de

**Tetzlaff**, Dr. Tom, Inst. of Mathematical Sciences and Technology, Norwegian University of Life Sciences, PO Box 5003, 1432, Ås, Norway, Tel.: +47 6496 5425, Email: tom.tetzlaff@umb.no

**Tetzlaff**, Christian, BCCN Göttingen, University of Göttingen, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 5176508, Email: tetze@nld.ds.mpg.de

**Tetzlaff**, Prof. Dr. med. Wolfram, ICORD - International Collaboration on Repair Discoveries, University of British Columbia, 6270, V6T 1Z4, Vancouver, BC, Canada, Tel.: +1 604 8221675, Email: tetzlaff@icord.org

**Thal**, Prof. Dr. Dietmar Rudolf, Institute of Pathology - Laboratory of Neuropathology, University of Ulm, Albert-Einstein-Allee 11, 89081, Ulm, Tel.: +49 +8221 962163, Email: Dietmar.Thal@uni-ulm.de

**Thanos**, Prof. Solon, Exp. Ophthalmology, University Muenster, Domagkstr. 15, 48149, Münster, Tel.: +49 251 8356915, Email: solon@uni-muenster.de

**Theis**, Dr. Martin, Institute of Cellular Neurosciences, University of Bonn, Sigmund-Freud-Straße 25, 53105, Bonn, Tel.: +49 228 28715969, Email: Martin.Theis@ukb.uni-bonn.de

**Theocharidis**, Dr. Ursula, Dept. Cell Morphology and Molecular Neurobiology, Ruhr-University Bochum, Universitätsstraße 150, 44780, Bochum, Tel.: +49 234 3222828, Email: ursula.theocharidis@rub.de

**Thiel**, Dr. Cora Sandra, microscopy of synaptic transmission, MPI for biophysical chemistry, Am Fassberg 11, 37077, Göttingen, Tel.: +49 551 2011679, Email: cthiel2@gwdg.de

**Thoma**, Michael, Biology - Neurobiology, University of Konstanz, Universitätsstr. 10, 78457, Konstanz, Tel.: +49 170 5589209, Email: michael.thoma@uni-konstanz.de

**Thran**, PhD, Julia, Department of Zoology, III-Neurobiology, Johannes-Gutenberg-University Mainz, Colonel-Kleinmannweg 2, 55128, Mainz, Tel.: +49 6131 3922197, Email: sbjuthra@students.uni-mainz.de

**Thurley**, Kay, Department of Physiology, University of Bern, Buehlplatz 5, 3012, Bern, Switzerland, Tel.: +41 31 6318725, Email: thurley@pyl.unibe.ch

**Timme**, Dr. Marc, Network Dynamics Group, Max-Planck-Institute for Dynamics & Self-Organization, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 5176440, Email: timme@nld.ds.mpg.de

**Tinnes**, Stefanie, Experimental Epilepsy Group, Neurocenter, University of Freiburg, Breisacher Straße 64, 79106, Freiburg, Tel.: +49 761 2705290, Email: stefanie.tinnes@uniklinik-freiburg.de

**Tinter**, Juliane, Rumpel group, Research Institute of Molecular Pathology IMP, Vienna, Dr. Bohr-Gasse 7, 1030, Vienna, Austria, Tel.: +43 681 10514613, Email: tinter@imp.ac.at

**Tokay**, Dr. Tursonjan, Institute of Physiology, University of Rostock, Gertrudenstraße 9, 18057, Rostock, Tel.: +49 381 4948060, Email: tursonjan.tokay@uni-rostock.de

**tom Dieck**, Dr. Susanne, Neuroanatomy, MPI for Brain Research, Deutschordenstr. 46, 60528, Frankfurt/Main, Tel.: +49 69 96769259, Email: tomDieck@mpih-frankfurt.mpg.de

**Tooze**, Dr. Sharon A., London Research Institute, Cancer Research UK, 44 Lincoln's Inn Fields, WC2A 3PX, London, United Kingdom, Tel.: +44 207 2693122, Email: sharon.tooze@cancer.org.uk

**Tossell**, PhD Kyoko, Biology, University of Leicester, University Road, LE1 7RH, Leicester, United Kingdom, Tel.: +44 116 2523900, Email: kh156@le.ac.uk

**Traeger**, Dipl.-Biol. Ulrike, Department of Biology, Animal Physiology, Philipps-University of Marburg, Karl-von-Frisch-Straße 8, 35032, Marburg, Tel.: +49 6421 2823475, Email: traegeru@staff.uni-marburg.de

**Traschütz**, Andreas, Brain Research Institute, University of Bremen, P.O.Box 330440, 28334, Bremen, Tel.: +49 421 2189751, Email: traschuetz@brain.uni-bremen.de

**Traut**, Matthias H., Synaptic Receptor Trafficking, Max-Planck-Institut of Neurobiology, Am Klopferspitz 18, 82152, München, Tel.: +49 8578 3617, Email: traut@neuro.mpg.de

**Trenado**, Carlos, Computational Diagnostics and Biocybernetics Unit, Saarland University Hospital, Building 90.5, 66421, Homburg/Saar, Tel.: +49 6841 1624091, Email: trenado@cdb-unit.de

**Treue**, Prof. Dr. Stefan, Cognitive Neuroscience Laboratory, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851117, Email: treue@gwdg.de

**Treutlein**, Tanja, Molecular and Cellular Mechanisms of Neurodegeneration, Paul-Flechsig-Institute for Brain Research, Jahnallee 59, 04109, Leipzig, Tel.: +49 341 9725755, Email: tanja\_treutlein@web.de

**Triphan**, Tilman, Lehrstuhl für Zoologie III - Neurobiologie, Johannes-Gutenberg-Universität Mainz, Colonel-Kleinmann-Weg 2, 55128, Mainz, Tel.: +49 6131 3925035, Email: triphan@uni-mainz.de

**Troppmann**, Britta, animal physiology, University of Potsdam, Karl-Liebknecht-Str. 24-25, 14476, Potsdam, Tel.: +49 331 9775538, Email: troppman@uni-potsdam.de

**Tucker**, PhD Kerry Lee, Interdisciplinary Center for Neurosciences, University of Heidelberg, Im Neuenheimer Feld 307, 69120, Heidelberg, Tel.: +49 6221 548687, Email: kerry.tucker@urz.uni-hd.de

**Tuoc**, Dr. Tran Cong, Molecular Developmental Neurobiology, Max-Planck-Institute for biophysical Chemistry, Am Fassberg 11, 37077, Göttingen, Tel.: +49 551 2011469, Email: tcong@gwdg.de



**Turimella**, Sada Lakshmi, Institute of Cellular Neurosciences, University of Bonn, Sigmund-Freud-Straße 25, 53105, Bonn, Tel.: +49 228 28714570, Email: Sada.Turimella@ukb.uni-bonn.de

**Tziridis**, Konstantin, Experimental Otolaryngology, Friedrich-Alexander-University Erlangen-Nürnberg, Waldstraße 1, 91054, Erlangen, Tel.: +49 9131 8543853, Email: konstantin.tziridis@uk-erlangen.de

## U

**ul Haq**, Rizwa, Institute for Neurophysiology, Johannes-Müller-Center for Physiology, Charité - Uni Med Berlin, Tucholskystraße 2, 10117, Berlin, Tel.: +49 30 450528149, Email: rizwan-ul.haq@charite.de

**Ulbrich**, Maximilian H., Molecular & Cell Biology, University of California, Berkeley, 279 Life Sciences Addition, 94720, Berkeley, USA, Tel.: +1 510 6429882, Email: mulbrich@berkeley.edu

**Ulbricht**, PhD Elke, Pathophysiology of Neuroglia, Paul-Flechsig-Institute for Brain Research, Jahnallee 59, 04109, Leipzig, Tel.: +49 341 9725796, Email: Elke.Ulbricht@medizin.uni-leipzig.de

**Unsicker**, Dr. Klaus, Neuroanatomy, University of Heidelberg, INF 307, 69120, Heidelberg, Tel.: +49 6221 548227, Email: unsicker@uni-hd.de

**Urbach**, Yvonne Kristin, Experimental Therapy, Friedrich-Alexander-University Erlangen-Nürnberg, Palmsanlage 5, 91054, Erlangen, Tel.: +49 9131 8523505, Email: yvonne.k.urbach@ze.uni-erlangen.de

## V

**Vahle-Hinz**, Dr. Christiane, Dept. Neurophysiology and Pathophysiology, University Medical Center Hamburg-Eppendorf, Martinistraße 52, 20246, Hamburg, Tel.: +49 40 428034789, Email: vahle-hinz@uke.uni-hamburg.de

**Vallentin**, Daniela, Dept. of Animal Physiology, Prof. Andreas Nieder, Zoological Institute, University of Tübingen, Auf der Morgenstelle 28, 72076, Tübingen, Tel.: +49 7071 2981935, Email: daniela.vallentin@uni-tuebingen.de

**van Aerde**, M.Sc. Karlijn, CNCR - Integrative Electrophysiology, VU University Amsterdam, De Boelelaan 1085, 1081 HV, Amsterdam, Netherlands, Tel.: +31 30 2880318, Email: karlijn.van.aerde@gmail.com

**Van Essen**, PhD David C., Anatomy & Neurobiology, Washington University in St. Louis, 660 S. Euclid Ave, 63128, St. Louis, MO, USA, Tel.: +1 314 3627043, Email: VANSSEN@BRAINVIS.WUSTL.EDU

**Van Leuven**, Prof. Dr. Dr. Fred, Experimental Genetics Group, KU Leuven, Campus Gasthuisberg ON1-06.602, 3000, Leuven, Belgium, Tel.: +321 6 345888, Email: fred.vanleuven@med.kuleuven.be

**van Wyk**, Dr. Michiel, Neuroanatomy, Max-Planck-Institute for Brain Research, Deutschordenstr. 46, 60528, Frankfurt/M., Tel.: +49 69 96769286, Email: mvanwyk@mpih-frankfurt.mpg.de

**Vangoor**, Vamshidhar Reddy, Institute of Cellular Neurosciences, University of Bonn, Sigmund-Freud-Str. 25, 53105, Bonn, Tel.: +49 228 28714570, Email: Vamshidhar.Vangoor@ukb.uni-bonn.de

**Varoqueaux**, PhD Frédérique, Dept of Molecular Neurobiology, Max-Planck-Institute of Experimental Medicine, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 551 3899688, Email: varoqueaux@em.mpg.de

**Veenman**, PhD Jehuda Arieh, Molecular Pharmacology, Technion-Israel-Institute of Technology, Ephron Street, P.O.B. 9649, Haifa 31096, Bat Galim, Israel, Tel.: +972 4 8295276, Email: veenman@technion.ac.il

**Velmans**, Dipl. Ing. Tanja, Institute of Cell Biology and Neurobiology, Charité – Universitätsmedizin Berlin, Philippstr. 12, 10115, Berlin, Tel.: +49 30 450528397, Email: Tanja.Velmans@charite.de

**Vergin**, Verena Marie, Inst. for Zoologie III, Neurobiology, Johannes-Gutenberg-University, Colonel-Kleinmann-Weg 2, 55099, Mainz, Tel.: +49 6131 3924482, Email: verena.vergin@web.de

**Vezer**, Dr. Tünde, Department of Public Health, University of Szeged, Dóm tér 10., 6720, Szeged, Hungary, Tel.: +36 62 545119, Email: vezer@puhe.szote.u-szeged.hu



**Vidal-Gadea**, PhD Andrés, School of Biological Sciences, University of Southampton, University of Southampton, Basset Crescent Ea, So167px, Southampton, United Kingdom, Tel.: +44 759 5290664, Email: A.G.Vidal-Gadea@soton.ac.uk

**Vieler**, Marc, Institut für Physiologie I, Westfälische Wilhelms-Universität Münster, Robert-Koch-Straße 27a, 48149, Münster, Tel.: +49 176 20789489, Email: marc.vieler@web.de

**Vig**, Dr. med. Raluca, Vascular Neurology, UniversitätsSpital Essen, Hufelandstraße 55, 45147, Essen, Tel.: +49 172 1347823, Email: Raluca.Vig@uk-essen.de

**Vitt**, Holger, Biology - Animal Physiology, Philipps-University Marburg, Karl-von-Frisch-Straße 8, 35032, Marburg, Tel.: +49 6421 2823405, Email: holger.vitt@gmx.de

**Völk**, Kristin, , Schröfelhofer Str. 12, 81375, München, Tel.: , Email:

**Vogel**, Dr. Tanja, Anatomy/ Neuroanatomy, Georg-August-University Göttingen, Kreuzberggring 36, 37075, Göttingen, Tel.: +49 551 397082, Email: tvogel1@gwdg.de

**Vogel-Höpker**, Dr. Astrid, Department of Developmental Biology and Neurogenetics, TU Darmstadt, Schnittspahnstraße 13, 64287, Darmstadt, Tel.: +49 6151 163698, Email: vogel@bio.tu-darmstadt.de

**Voges**, Dr. Nicole, UMR 6193, CNRS, INCM, 31, Chemin Joseph Aiguier, 13402 Marseille Cedex 20, Marseille, France, Tel.: +331 491 164358, Email: nicole.voges@incm.cnrs-mrs.fr

**Vogt**, Miriam Annika, Behavioral Biology of the Mouse, Central Institute of Mental Health, Mannheim, J5, 68159, Mannheim, Tel.: +49 621 17032932, Email: miriam.vogt@zi-mannheim.de

**Voigt**, PhD Aaron, Department of Neurodegeneration, University of Göttingen, Waldweg 33, 37073, Göttingen, Tel.: +49 551 3912457, Email: avoigt2@gwdg.de

**Voigt**, Prof. Dr. Thomas, Institut für Physiologie, Otto-von-Guericke Universität, Medizinische Fakultät, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6713628, Email: Thomas.Voigt@med.ovgu.de

**Volkandt**, Prof. Dr. Walter, Neurochemistry, Goethe University Frankfurt, Max-von-Laue-Str. 9, 60438, Frankfurt am Main, Tel.: +49 69 79829603, Email: volkandt@bio.uni-frankfurt.de

**Vollmayr**, Dipl.-Phys. Andreas Norbert, Physik Department, Technische Universität München, James-Franck-Straße, 85748, München, Tel.: +49 89 28912195, Email: avollmayr@ph.tum.de

**von Bohlen und Halbach**, Prof. Dr. Oliver, Institut für Anatomie und Zellbiologie, University of Heidelberg, Im Neuenheimer Feld 307, 69120, Heidelberg, Tel.: +49 6221 548314, Email: oliver.vonbohlen@arcor.de

**von den Berg**, Dipl.-Biol. Sönke, Institute of Zoology, Auditory Neuroethology and Neurobiology Lab, University of Veterinary Medicine, Hannover, Bünteweg 17, 30559, Hannover, Tel.: +49 511 9538427, Email: svdberg@tiho-hannover.de

**von der Emde**, Prof. Dr. Gerhard, Institut für Zoologie, Neuroethologie, Universität Bonn, Endenicher Allee 13, 53115, Bonn, Tel.: +49 228 735555, Email: vanderemde@uni-bonn.de

**von Holst**, PhD Alexander, Cell Morphology & Molecular Neurobiology, Ruhr-University Bochum, NDEF 05/339, Universitätsstraße 15, 44780, Bochum, Tel.: +49 234 25812, Email: Alexander.vonHolst@rub.de

**Vorster**, Albrecht, Faculty of Biology, University of Freiburg, Breisacher Str. 2, 79106, Freiburg, Tel.: +49 761 4895470, Email: albrechtvorster@gmx.de

**Voss**, Dr. Joe, Neuroethology, Bielefeld University, POB 100131, 33501, Bielefeld, Tel.: +49 521 1062840, Email: joe.voss@uni-bielefeld.de

**Voßen**, Dipl.-Math. Christine, T35 Theoretical Biophysics, TU München, James-Franck-Straße, 85748, Garching, Tel.: +49 89 28912192, Email: cvossen@ph.tum.de

## W

**Wachter**, M.Sc. Britta, Department of cellular neurobiology, University Tübingen, Institute of Anatomy, Österbergstr.3, 72074, Tübingen, Tel.: +49 7071 2978233, Email: Wachter@anatu.uni-Tübingen.de



**Wachtler**, Dr. Thomas, AG Neurophysik, Philipps-Universität Marburg, Renthof 7, 35032, Marburg, Tel.: +49 6421 2826631, Email: thomas.wachtler@physik.uni-marburg.de

**Wagner**, Prof. Dr. Hermann, Institut of Biology II, RWTH Aachen, Kopernikusstraße 16, 52074, Aachen, Tel.: +49 241 8024835, Email: wagner@bio2.rwth-aachen.de

**Wahab**, Abdul, Institut für Neurophysiologie,, Charité Universitätmedizin Berlin, Tucholskystr. 2, 10117, Berlin, Tel.: +49 30 450528258, Email: abdul.wahab@charite.de

**Wahle**, Prof. Dr. Petra, AG Developmental Neurobiology, Ruhr-University, Universitätsstraße 150, 44870, Bochum, Tel.: +49 234 3224367, Email: petra.wahle@rub.de

**Walkowiak**, Prof. Dr. Wolfgang, Tierphysiologie, Zoologisches Institut, Universität zu Köln, Weyertal 119, 50931, Köln, Tel.: +49 221 4703119, Email: w.walkowiak@uni-koeln.de

**Walter**, Dipl. Biol. Josephine, Klinik für Neurologie/ Exp. Neurologie, Friedrich-Schiller-Universität, Erlanger-Allee 101, 07747, Jena, Tel.: +49 3641 9325911, Email: josephine.walter@med.uni-jena.de

**Walther**, Cand.med. Franziska, Neurologie, Friedrich-Schiller-Universität Jena, Erlanger Allee 101, 07747, Jena, Tel.: +49 3641 9325919, Email: franziska.walther@uni-jena.de

**Walz**, Dr. Corinna Gabriele, Neurobiologie, Heinrich-Heine-Universität Düsseldorf, Universitätsstr. 1, 40225, Düsseldorf, Tel.: +49 211 8110581, Email: Corinna.Walz@uni-duesseldorf.de

**Wang**, Ying, Department of Physiology, University of Bern, Buehlplatz 5, 3012, Bern, Switzerland, Tel.: +41 31 6318725, Email: wang@pyl.unibe.ch

**Wang**, Xi, Neurology, Uniklinik Freiburg, Breisacher Str.64, 79106, Freiburg, Tel.: +49 761 2705294, Email: xi.wang@uniklinik-freiburg.de

**Wanger**, Tim, Auditory Learning and Speech, Leibniz-Institute for Neurobiology, Brenneckestraße 6, 39118, Magdeburg, Tel.: +49 391 6263326, Email: tim.wanger@ifn-magdeburg.de

**Wanischek**, Dr. Mario, Institute of Human Genetics, LMU Munich, Goethestr. 29, 80336, München, Tel.: +49 89 51604451, Email: mario.wanischek@med.uni-muenchen.de

**Warzecha**, Dr. Anne-Kathrin, Dept. Neu. Bielefeld University, Universitätsstr. 25, 33615, Bielefeld, Tel.: +49 521 1065578, Email: ak.warzecha@uni-bielefeld.de

**Wefers**, Annika Kristina, Anatomisches Institut, Anatomie & Zellbiologie, Universität Bonn, Nußallee 10, 53115, Bonn, Tel.: +49 228 36025931, Email: akwefers@uni-bonn.de

**Wegener**, Dr. Christian, Animal Physiology, Department of Biology,, Philipps-University Marburg, Karl-von-Frisch-Str. 8, 35032, Marburg, Tel.: +49 6421 2823411, Email: wegener@staff.uni-marburg.de

**Wegener**, Dr. Detlef, Brain Research Institute, University of Bremen, P.O.Box 330440, 28334, Bremen, Tel.: +49 421 2189756, Email: wegener@brain.uni-bremen.de

**Wegner**, Dr. Michael, Institut für Biochemie, Universität Erlangen-Nürnberg, Fahrstraße 17, 91054, Erlangen, Tel.: +49 9131 8524620, Email: m.wegner@biochem.uni-erlangen.de

**Wei**, Wei, Nonlinear Dynamics, MPI for Dynamics and Self-Organization, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 5176421, Email: wei@nld.ds.mpg.de

**Weigel**, Dr. Stefan, Lehrstuhl für Zoologie, Technische Universität München, Hochfeldweg 2, 85354, Freising, Tel.: +49 8161 712807, Email: stefan.weigel@wzw.tum.de

**Weihberger**, Oliver, Institute of Biology III, Neurobiology and Biophysics, University of Freiburg, Bernstein Center for Computational Neuroscience Freiburg, Hansastraße 9a, 79104, Freiburg, Tel.: +49 761 2039529, Email: weihberger@bccn.uni-freiburg.de

**Weiler**, Dr. Elke, Neurophysiology, Ruhr-University, Universitätsstr. 150, 44801, Bochum, Tel.: +49 234 3224914, Email: weiler@neurop.rub.de

**Weiler**, Prof. Dr. Reto, Neurobiology, University of Oldenburg, PO Box, 26131, Oldenburg, Tel.: +49 441 7982581, Email: reto.weiler@uni-oldenburg.de

**Weissmüller**, Kathrin, Interdisciplinary Center for Neurosciences, University of Heidelberg, Im Neuenheimer Feld 307, 4. OG, 69120, Heidelberg, Tel.: +49 6221 548670, Email: weissmueller@ana.uni-heidelberg.de

**Welpe**, Prof. Dr. Isabell M., Management, Technical University of Munich / Max Planck Institute of Economics, Klenzestraße 65, 80469, München, Tel.: +49 173 3867398, Email: Welpe@wi.tu-Muenchen.de

**Werckenthin**, Achim, Abteilung Tierphysiologie, Universität Kassel, FB 18 Naturwissenschaften, Heinrich-Plett-Straße 40, 34132, Kassel, Tel.: +49 6421 2826944, Email: achim@werckenthin.de

**Werner**, PhD Annette, Centre for Ophthalmology, Colour Group, University of Tübingen, Röntgenweg 13/1, 72076, Tübingen, Tel.: +49 7071 2984765, Email: annette.werner@uni-Tuebingen.de

**Wertz**, Adrian, Department of Systems and Computational Neurobiology, Max-Planck-Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783294, Email: wertz@neuro.mpg.de

**Westendorff**, Stephanie, Cognitive Neuroscience, Sensorimotor group, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851360, Email: swesten@gwdg.de

**Westmark**, Dr. Sandra, Institute of Zoology, Dep. of animal physiology, University of Cologne, Weyertal 119, 50931, Köln, Tel.: +49 221 4703133, Email: S.Westmark@uni-koeln.de

**Weyhermüller**, Annika, Carl-Ludwig-Institut für Physiologie, Universität Leipzig, Liebigstr. 27, 04103, Leipzig, Tel.: +49 341 9715535, Email: annika.weyhermueller@medizin.uni-leipzig.de

**Whittington**, Prof. Miles, Institute of Neuroscience, Newcastle University, Framlington Place, NE2 4HH, Newcastle, United Kingdom, Tel.: +44 191 2225340, Email: m.a.whittington@ncl.ac.uk

**Wierenga**, Dr. Corette J., Cellular and Systems Neurobiology, Max-Planck-Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783812, Email: wierenga@neuro.mpg.de

**Wiese**, Dr. Stefan, Molecular Cellbiology, Ruhr-Universität Bochum, Universitätsstr 150, 44801, Bochum, Tel.: +49 234 3222041, Email: stefan.wiese@rub.de

**Wilhelm**, Franziska, Neural Plasticity, Interdisciplinary Centre for Clinical Research (IZKF), Inselstraße 22, 04103, Leipzig, Tel.: +49 341 9715893, Email: franziska.wilhelm@medizin.uni-leipzig.de

**Winkler**, Ulrike, Neural Plasticity, Interdisciplinary Centre for Clinical Research (IZKF), Inselstr. 22, 04103, Leipzig, Tel.: +49 341 9715893, Email: ulrike.winkler@medizin.uni-leipzig.de

**Wirmer**, M.Sc. Andrea, Neurobiology, Johann-Friedrich-Blumenbach-Institut für Zoologie und Anthropologie, Berliner Str. 28, 37077, Göttingen, Tel.: +49 551 3991183, Email: andrea\_wirmer@yahoo.de

**Wirth**, Dr. Marcus Joseph, Institute for Biology II, RWTH Aachen University, Kopernikusstraße 16, 52056, Aachen, Tel.: +49 241 8027773, Email: wirth@bio2.rwth-aachen.de

**Wirhns**, Dr. Oliver, Dept. of Psychiatry, Div. Molecular Psychiatry, University of Göttingen, Von-Siebold-Str. 5, 37075, Göttingen, Tel.: +49 551 3910290, Email: owirhns@uni-Goettingen.de

**Wischmeyer**, Prof. Dr. Erhard, Lehrstuhl für Neurophysiologie, Physiologisches Institut, Röntgenring 9, 97070, Würzburg, Tel.: +49 931 312623, Email: e.wischmeyer@uni-Wuerzburg.de

**Wittenberg**, Markus, Physics, Neurophysics, Philipps-Universität Marburg, Renhof 7, 35032, Marburg, Tel.: +49 6421 2824165, Email: Markus.Wittenberg@Physik.Uni-Marburg.DE

**Wittenmayer**, Dr. Nina, Institute for Anatomy & Cellbiology, University Heidelberg, Im Neuenheimer Feld 307, 69120, Heidelberg, Tel.: +49 6221 548620, Email: Nina.Wittenmayer@urz.uni-heidelberg.de

**Witting**, Anke, Neurology, University of Ulm, Helmholtzstr. 8/1, 89081, Ulm, Tel.: +49 731 50063113, Email: anke.witting@uni-ulm.de

**Wittlinger**, Dr. Matthias, Bioengineering, California Institute of Biotechnology, 1200 E California Blvd., CA 91125, Pasadena, USA, Tel.: +1 626 6981134, Email: mwitt@caltech.edu

**Wohl**, Stefanie, G., Department of Neurology, Experimental Neurology, University of Jena, Erlanger Allee 101, 07747, Jena, Tel.: +49 3641 9325914, Email: stefanie.wohl@med.uni-jena.de

**Wojtowicz**, M.Sc. Anna, Institute of Neurophysiology, Johannes-Müller-Center of Physiology, Charité- Universitätsmedizin Berlin, Tucholskystraße 2, 10117, Berlin, Tel.: +49 30 450528146, Email: anna-wojtowicz@wp.pl

**Wolf**, Prof. Dr. Harald, Institute of Neurobiology, University of Ulm, Albert-Einstein-Allee 11, 89081, Ulm, Tel.: +49 731 5022630, Email: harald.wolf@uni-ulm.de



**Wolf**, Reinhard, Department of Genetics and Neurobiology, University of Würzburg, Am Hubland (Biozentrum), 97074, Würzburg, Tel.: +49 931 8884453, Email: reinhard.wolf@biozentrum.uni-wuerzburg.de

**Wolfart**, Jakob, Cellular Neurophysiology, Dept. of Neurosurgery, University Medical Center Freiburg, Breisacher Str. 64, 79106, Freiburg, Tel.: +49 761 2705285, Email: jakob.wolfart@uniklinik-freiburg.de

**Wolpert**, Prof. Daniel, Department of Engineering, University of Cambridge, Trumpington Street, CB2 1PZ, Cambridge, United Kingdom, Tel.: 1223 748530, Email: wolpert@eng.cam.ac.uk

**Wozny**, Dr. Christian, Division of Neurobiology, MRC - Laboratory of Molecular Biology, Hills Road, CB2 0QH, Cambridge, United Kingdom, Tel.: +44 1223 252988, Email: cwozny@mrc-lmb.cam.ac.uk

**Wrzos**, PhD Claudia, Neuropathology, AG Stadelmann, Uniklinikum Göttingen, Robert-Koch-Str. 40, 37099, Göttingen, Tel.: +49 551 398467, Email: claudia.wrzos@gmx.de

**Wulff**, Dr. Peer, School of Medical Sciences, University of Aberdeen, Foresterhill, AB25 2ZD, Aberdeen, United Kingdom, Tel.: +44 1224 559149, Email: p.wulff@abdn.ac.uk

## Y

**Yee**, Nicole, Clinical Neurobiology Lab, Deutsches Primatenzentrum, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851134, Email: nicole.yee@utoronto.ca

**Yeritsyan**, Dr. Naira B., Department of Neurophysiology, Institute of Neurobiology, Center of Learning and Memory, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263424, Email: Naira.Yeritsyan@ifn-magdeburg.de

**Yger**, PhD Pierre, UNIC, CNRS, 1 Avenue de la Terrasse, 91198, Gif sur Yvette, France, Tel.: +331 1 69824196, Email: yger@unic.cnrs-gif.fr

**Yoshida**, PhD Kenichi, Department of Life Sciences, Meiji University, 1-1-1 Higashimita, Tama-ku, 214-8571, Kawasaki, Japan, Tel.: +81 44 9347107, Email: yoshida@isc.meiji.ac.jp

**Youdim**, PhD Moussa B.H., and Department of Pharmacology, Eve Topf and NPF Centers of Excellence, Technion-Faculty of Medicine, Efron St. POBox 9697, 31096, Haifa, Israel, Tel.: +972 4 8295290, Email: youdim@tx.technion.ac.il

**Young**, Dipl.-Biol. Christina C., Cellular Neurophysiology, Dept. of Neurosurgery, University Medical Center Freiburg, Breisacher Str. 64, 79106, Freiburg, Tel.: +49 761 2705358, Email: christina.young@uniklinik-freiburg.de

## Z

**Zaepf**, PhD Bianca, Dept. of Zoology III - Neurobiology, Johannes-Gutenberg-University, Colonel-Kleinmann-Weg 2, 55099, Mainz, Tel.: +49 6131 3927264, Email: zaepf@uni-mainz.de

**Zagrebelsky**, PhD Marta, Cellular Neuroscience, TU Braunschweig, Spielmannstraße 7, 38106, Braunschweig, Tel.: +49 531 3913225, Email: m.zagrebelsky@tu-bs.de

**Zeck**, PhD Günther, Systems- and Computational Neuroscience, Max-Planck-Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783282, Email: zeck@neuro.mpg.de

**Zeghibib**, Dr. Abdelhafid, Neuroprotheses, Leibniz Institute for Neurobiology, Brenneckestraße 6, 39118, Magdeburg, Tel.: +49 391 6263322, Email: azeghibib@ifn-magdeburg.de

**Zehl**, B.Sc. Lyuba, Biology; Zoology; Animal Physiology, University of Cologne, Weyertal 119, 50931, Koeln, Tel.: +49 163 2873806, Email: lyuba@gmx.net

**Zeitler**, Dr. Magteld, Biophysics, Radboud University Nijmegen, Geert Grooteplein 21, 6525 EZ, Nijmegen, Netherlands, Tel.: +31 24 3614300, Email: m.zeitler@donders.ru.nl

**Zeitler**, Ralf, Membrane and Neurophysics, Max-Planck-Institute for Biochemistry, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783993, Email: zeitler@biochem.mpg.de

**Zemkova**, PhD Hana, Department of Cellular and Molecular Neuroendocrinology, Institute of Physiology Academy of Sciences of the Czech Republic, Videnska 1083, 142 20, Prague 4, Czech Republic, Tel.: +42 24106 2574, Email: zemkova@biomed.cas.cz

**Zhang**, PhD Lu, Cognitive Neuroscience Laboratory, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851354, Email: math2437@hotmail.com

**Zhao**, Dr. Yi, Institute of Pharmacology, University Hospital of Schleswig-Holstein, Campus Kiel, Hospitalstraße 4, 24105, Kiel, Tel.: +49 431 5973874, Email: zhaoyi@pharmakologie.uni-kiel.de

**Zhivkov**, Zhivko, Aquatic Bioacoustics, Humboldt University Berlin, Invalidenstr. 43, 10115, Berlin, Tel.: +49 30 20938760, Email: jivkov@gmx.de

**Ziehm**, Ulrike, Department of Biology, Humboldt-Universität zu Berlin, Invalidenstr. 43, 10115, Berlin, Tel.: +49 30 20938760, Email: u.ziehm@biologie.hu-berlin.de

**Zimmer**, Prof. Dr. Andreas, Institute of Molecular Psychiatry, University of Bonn, Sigmund-Freud-Str. 25, 53127, Bonn, Tel.: +49 228 6885300, Email: neuro@uni-bonn.de

**Zimmermann**, Dr. Herbert, Institute of Cell Biology and Neuroscience, Goethe-University Frankfurt, Max-von-Laue-Str. 9, 60438, Frankfurt am Main, Tel.: +49 69 79829602, Email: h.zimmermann@bio.uni-frankfurt.de

**Zinke**, Wolf, Institute for Brain Research, University Bremen, Hochschulring 16A, 28359, Bremen, Tel.: +49 421 2189758, Email: zinke@brain.uni-bremen.de

**Zorovich**, Dr. Maja, Dept. of Zoology, University of Cambridge, Downing Street, CB2 3EJ, Cambridge, United Kingdom, Tel.: +44 7756 112886, Email: zorovic@gmail.com

**Zrenner**, Prof. Dr. Eberhart, Centre for Ophthalmology, Institute for Ophthalmic Research, Eberhard-Karls-University Tübingen, Schleichstr. 12-16, 72076, Tübingen, Tel.: +49 7071 2984786, Email: ezrenner@uni-tuebingen.de

**Zschenderlein**, Carsten, Institute of Neurophysiology, Charité University Medicine Berlin, Tucholskystr. 2, 10117, Berlin, Tel.: +49 151 59100115, Email: carsten.zschenderlein@charite.de

**Zschüntzsch**, Dr. Jana, Department of Neurology, University of Göttingen, Robert-Koch-Straße 40, 37075, Göttingen, Tel.: +49 551 3912838, Email: zschue@yahoo.de

**Zube**, PhD Christina, Zoology II, University of Würzburg - Biozentrum, Am Hubland, 97074, Würzburg, Tel.: +49 931 8884316, Email: zube@biozentrum.uni-wuerzburg.de

**Zuccotti**, Annalisa, HNO Klinik, THRC, Molekulare Neurobiologie, Universität Tübingen, Elfriede-Aulhorn Str. 5, 72076, Tübingen, Tel.: +49 7071 2988242, Email: annalisazuccotti@gmail.com

**Zürner**, Magdalena, AG Schoch, Neuropathologie, Sigmund-Freud-Straße 25, 53105, Bonn, Tel.: +49 228 28719346, Email: magdalenazuerner@gmail.com

**Zylla**, Maura Magdalena, Neurophysiology, Institut für Physiologie und Pathophysiologie, Universität Heidelberg, Im Neuenheimer Feld 326, 69120, Heidelberg, Tel.: +49 162 2435353, Email: maurazylla@web.de







**Print:** Druckerei Blankenburg, 16321 Bernau,  
info@druckerei-blankenbourg.de  
**Conception and Layout:** Meino Alexandra Gibson  
**Cover:** Eta Friedrich, 10827 Berlin, mail@et-a.de  
**Advertisement:** Bernd Beutel, 69469 Weinheim,  
susanne.beutel@top-ad-online.de  
**Published by** Neurowissenschaftliche Gesellschaft e.V.  
2009





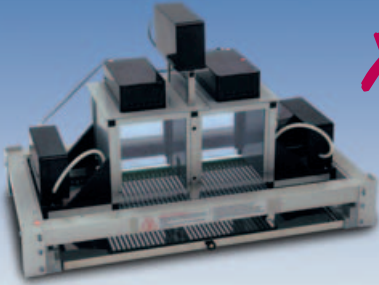


		<b>Program at a glance</b>			
Wednesday	Thursday	Friday	Saturday	Sunday	
Time	Registration	Registration	Registration	Registration	
	8:00 - 9:00				
	9:00 - 10:00	Symposia I S1 - S6	Symposia II S7 - S12	Symposia III S13 - S18	
	10:00 - 11:00				
	11:00 - 12:00				
	12:00 - 13:00				
	13:00 - 14:00	Posters A odd numbers Posters A even numbers Opening Ceremony	Posters B odd numbers Posters B even numbers	Assembly NWG Posters C odd numbers Posters C even numbers	
	14:00 - 15:00				
14:00 - 19:00		Peter Jonas	Award Lectures	Martin Heisenberg	
Satellite Workshop I 14:00 - 18:30		Posters A odd numbers Posters A even numbers	Posters B odd numbers Posters B even numbers	Posters C odd numbers Posters C even numbers	
Satellite Symposium II					
	16:00 - 17:00				
	17:00 - 18:00	Christian Elger	Buffet	Buffet	
	18:00 - 19:00				
	19:00 - 20:00	Buffet	Peter Fromherz	Atsushi Iriki	
	20:00 - 21:00	Nikos Logothetis			
	21:00				

# Sophisticated Life Science Research Instrumentation

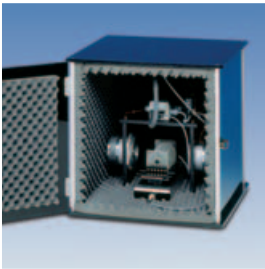


**New**



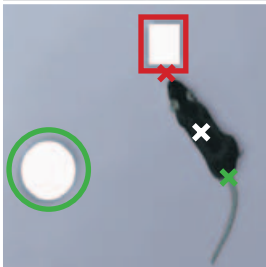
**X Visit us  
at booth  
No. 45**

■ *Multi Conditioning  
System*



■ *Startle Response / PPI System*

■ *Fear Conditioning System*



■ *VideoMot2 - 3-Point-Tracking*

- Behavior & Activity
- Motor Function & Rotometry
- Anxiety & Depression
- Physiology & Respiration

**TSE Systems GmbH**

a member of the TSE Systems International Group

Germany: Phone: +49-(0)6172-789-0 • Fax: +49-(0)6172-789-500

USA Toll free: Phone: 1-866-466-8873 • Fax: 1-866-467-8873

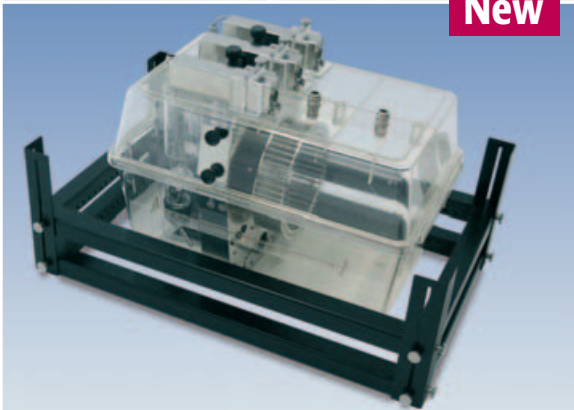
**info@TSE-Systems.com • www.TSE-Systems.com**

**Neuroscience – Phenotyping – Drug Screening**

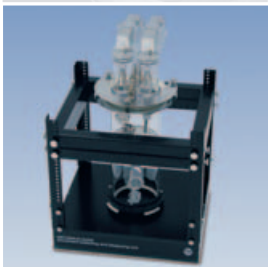


# Sophisticated Life Science Research Instrumentation

**New**



■ *PhenoMaster*



■ *LabMaster - Metabolic Cage*

■ *Physiological Cage*



**X Visit us at  
booth No. 45**

■ **PhenoMaster - Multi-dimensional Behavioral Phenotyping**

■ **LabMaster - Modular Metabolic Phenotyping**

## **TSE Systems GmbH**

a member of the TSE Systems International Group

Germany: Phone: +49-(0)6172-789-0 • Fax: +49-(0)6172-789-500

USA Toll free: Phone: 1-866-466-8873 • Fax: 1-866-467-8873

**info@TSE-Systems.com • www.TSE-Systems.com**

Automated In-Vivo Phenotyping