

Call for Abstracts

Plenary Lectures

- ▶ Opening Lecture
M. Charles Liberman (Harvard, USA)
**Hidden hearing loss:
primary neural degeneration in
the noise-damaged and aging cochlea**
- ▶ Zülch Lecture
Elly Nedivi (Cambridge, USA)
Structural plasticity of inhibitory circuits
- ▶ Hertie Foundation Lecture
Winrich Freiwald (New York, USA)
On the neural machinery for face recognition
- ▶ Norbert Elsner Lecture
Uwe Homberg (Marburg, Germany)
Neurobiology of spatial orientation in insects
- ▶ Roger Eckert Lecture
David Julius (San Francisco, USA)
**Understanding pain sensation:
from physiology to atomic structure**
- ▶ Ernst Florey Lecture
Detlev Arendt (Heidelberg, Germany)
**Evolution of neurons and nervous systems:
a cell type perspective**
- ▶ Otto Creutzfeldt Lecture
Monica Di Luca (Milan, Italy)
**Encoding synaptic signals
into gene expression:
a role in brain physiology and diseases**

Symposia

- ▶ Calcium homeostasis in neuroinflammation and -degeneration:
new targets for therapy of multiple sclerosis?
- ▶ Common ground plan of the insect brain architecture
- ▶ Comparative connectomics:
recent approaches and functional implications
- ▶ Computations – from sensations to decisions
- ▶ Correlating synaptic structure and plasticity at the nanoscale
- ▶ Emerging complexity and functions of microRNAs-dependent
regulation in neuroscience
- ▶ Epigenetic mechanisms of behavior and
physiological regulation
- ▶ Experience-dependent plasticity in chemosensation
- ▶ Facets of spatial information processing
- ▶ From monocytes to microglia – conditions influencing
the fate of myeloid cells in the brain
- ▶ Glia – all the same? Increasing evidence for glial heterogeneity
- ▶ Glial cells in de- and remyelination
- ▶ How hearing happens: speed, precision and sensitivity
- ▶ How single neuron properties determine network dynamics
- ▶ Illuminating normal and diseased brain function with
in vivo fluorescence imaging
- ▶ Mechanisms of neuronal and synaptic plasticity in epilepsy
- ▶ Molecular mechanisms of cargo and organelle transport
in neurons
- ▶ Neural circuits of pain
- ▶ Neuronal circuit wiring in development
- ▶ Neuronal circuits underlying biological timekeeping
- ▶ New insights into functional and molecular dynamics
of presynaptic calcium channels
- ▶ Novel local mechanisms of motor control
- ▶ Olfactory processing and behavior across the
vertebrate/insect divide: communalities and differences
- ▶ Spike timing-dependent plasticity:
from functions in circuits towards possible treatment of humans
- ▶ Structural and functional implementation of bottom-up
and top-down influences in the primate brain
- ▶ System memory consolidation during sleep
- ▶ The evolutionary diversity of nervous system development –
from worms to humans
- ▶ The longitudinal course of psychosis –
clinical and neurobiological aspects
- ▶ The multiple neural codes of the retina
- ▶ The neuroscience of good and evil:
translational insights into pro- and antisocial decision-making
- ▶ To eat? To sleep? To run?
Coordination of innate behaviors by hypothalamic circuits
- ▶ Transport mechanisms at the blood-brain barrier
- ▶ Trends in small-animal neuroimaging:
assessing functional connectivity of the whole brain
- ▶ Tuning ion channels, myelin, and synapses for rapid
axonal signaling
- ▶ Use it or lose it – cellular and molecular mechanisms
of synapse remodeling in developmental plasticity

Deadline: October 4, 2016

Twelfth Göttingen Meeting of the German Neuroscience Society

www.nwg-goettingen.de/2017

March 22–25, 2017

The programmes of the
last meetings are available at
<http://nwg.glia.mdc-berlin.de/de/conference/archive/>

Registration, Abstract Submission, and Exhibition

The Deadline for submission of
poster abstracts and early registration
is October 4, 2016. For Information
on abstract submission and registration
please visit the meeting's website:
<http://www.nwg-goettingen.de/2017>

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Stipends

The German Neuroscience Society provides
stipends for young qualified investigators.
The deadline for application is October 4, 2016.

Applications must be submitted via the website
of the German Neuroscience Society including

- a short CV
- a copy of the abstract
- a list of publications
- a letter of recommendation from a senior scientist