

Call for Abstracts

Plenary Lectures

- ▶ Opening Lecture
Ann McKee (Boston, USA)
**Chronic traumatic encephalopathy (CTE):
an update including the problem
with football**
- ▶ Zülch Lecture
Giulio Tononi (Madison, USA)
Consciousness: from theory to practice
- ▶ Hertie Foundation Lecture
Onur Güntürkün (Bochum, Germany)
Cognition without a cortex
- ▶ Norbert Elsner Lecture
Nachum Ulanovsky (Rehovot, Israel)
**Neural codes for natural navigation
in the hippocampal formation of bats**
- ▶ Schram Lecture
Volker Haucke (Berlin, Germany)
**Mechanisms of presynaptic biogenesis
and function**
- ▶ Ernst Florey Lecture
Antoine Triller (Paris, France)
The synapse: memory in a fluid membrane
- ▶ Otto Creutzfeldt Lecture
Kristin Tessmar-Raible (Vienna, Austria)
**The brain as a timer:
day, season and moon phase coordination
in the sea**

Symposia

- ▶ Adaptivity and inhomogeneity in neuronal networks – two sides of the same coin?
- ▶ Behavioral decisions based on multimodal information
- ▶ Beyond expression of fear: mechanisms and circuits of the extended amygdala
- ▶ Brain-machine-interface in paralysis
- ▶ Common principles of spatial and temporal sensory processing
- ▶ Dissection of a central brain circuit: structure, plasticity and functions of the drosophila mushroom body
- ▶ Early information selection for robust vision
- ▶ Form follows function? Rules and consequences of structural synaptic plasticity
- ▶ From astrocytes to behaviors: searching the cellular and molecular roots of emotion dysfunctions
- ▶ From clinical symptoms to motoneuron pathobiology: most recent insights into amyotrophic lateral sclerosis (ALS)
- ▶ From normal brain development to pathology: what role does the environment play?
- ▶ Go with the flow? Processing of sensory flows across modalities
- ▶ Hearing system adaptation for diverse lifestyles across the animal kingdom
- ▶ Keeping neurons alive – erythropoietin, its variants and its receptors
- ▶ Mitochondrial dysfunction in neurodegeneration
- ▶ Modulatory circuits of central pain processing
- ▶ Neural mechanisms of social decision-making
- ▶ Neurodegenerative diseases: shaping neuronal circuits by membrane trafficking
- ▶ Neurological autoimmunity: the role of pathogenic autoantibodies against neuron and glia proteins
- ▶ Novel insights into the regulation of hypothalamic neurocircuits and functions
- ▶ Optogenetics – tool development and application in neuroscience
- ▶ Orexin beyond sleep
- ▶ Inhibitory synapse diversity in health and disease
- ▶ Pro-survival versus toxic NMDA receptor signaling and the fight against neurodegenerative disorders
- ▶ Resolving the cognitive function of prefrontal circuits: from neurons to behavior
- ▶ Serotonin and its developmental role in shaping brain plasticity and neuropsychological phenotypes
- ▶ Short-term adaptation in early auditory processing: from synaptic depression to focal perception
- ▶ Subcortico-cortical loops and their role in sensory processing and perception
- ▶ The 4Rs in animal-based neuroscience research: Refinement, Reduction, Replacement, Responsibility
- ▶ The brain oxytocin system – its complex impact on autism, social behavior, and stress
- ▶ The dentate gyrus – from microcircuit function to control of behavior
- ▶ The neuronal basis of tinnitus
- ▶ The presynaptic active zone: converging and diverging mechanisms across species
- ▶ The tripartite synapse in health and disease

13th Göttingen Meeting of the German Neuroscience Society

Deadline: October 1, 2018

www.nwg-goettingen.de/2019

March 20–23, 2019

The programmes of the last meetings are available at www.nwg-info.de/meetings/jahrestagung/archive

Registration, Abstract Submission, and Stipend Application

The Deadline for submission of poster abstracts, early registration, and stipend applications is **October 1, 2018**. For Information on abstract submission and registration please visit the meeting's website: www.nwg-goettingen.de/2019

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Stipends

The German Neuroscience Society provides stipends for young qualified investigators.

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