

1st BIGS Student Neuroscience Symposium

16th - 18th of November
Grafenschloss-Jugendherberge
Schloßberg 8 65582 Diez
Germany



Guest Speakers:

Loren Looger (HHMI | Janelia Research Campus | USA)
Stéphane Oliet (Neurocentre Magendie | France)
Jason Christie (MPFI for Neuroscience | USA)



Monday 16th November

- 9:30 Departure from Bonn
- 12:00 - 12:30 Arrival
- 12:30 - 13:30 Lunch
- 13:30 - 13:45 Introduction
- 13:45 - 14:45 **KEYNOTE LECTURE: STÉPHANE OLIET**
Contribution of astrocytes to synaptic transmission
- 14:45 - 15:25 **STUDENT SESSION 1:**
Manuel Mittag - Inhibitory control of hippocampal network activity under healthy and Alzheimer's disease conditions
- Bhuvaneshwari Nagarajan - Establishing in vivo tools and techniques to study myelination and remyelination in zebrafish
- 15:25 - 16:00 Coffee Break and move into rooms
- 16:00 - 16:40 **STUDENT SESSION 2:**
Stefanie Anders - Astrocyte morphology during epileptogenesis
- Monica Risley - Controlling electroconvulsive seizure recovery time in *D. melanogaster* and *C. elegans*
- 16:45 - 17:45 **POSTER SESSION**
- 18:00 - 19:30 Dinner
- 20:30 - end **ACTIVITY: PUB QUIZ**

Tuesday 17th November

- 08:00 - 09:00 Breakfast
- 09:30 - 10:10 **STUDENT SESSION 3:**
Aline Timmermann - NG2 cell specific gene knockout as a tool to understand the impact of neuron-glia synaptic signaling
- Jennifer Krill - Glial and neuronal contributions to acute stress susceptibility in *Drosophila melanogaster*
- 10:10 - 10:30 Coffee Break
- 10:30 - 11:30 **KEYNOTE LECTURE: JASON CHRISTIE**
Local control of spike signaling within axons
- 11:30 - 12:30 **STUDENT SESSION 4:**
Joan Lora - Small conductance calcium-activated K⁺ channels in the prelimbic cortex modulate extinction of fear memory in male C57BL/6J mice
- Kirsten Bohmbach - Role of NMDA receptor co-agonists in dendritic integration
- Beatrice Mihaela Radu - Pharmacology and functional expression of muscarinic receptors for acetylcholine in brain microvascular endothelial cells
- 12:30 - 13:30 Lunch
- 13:30 - 16:00 **ACTIVITY: HIKING**
- 16:00 - 16:15 Coffee Break
- 16:15 - 17:15 **KEYNOTE LECTURE: LOREN LOOGER**
- 17:15 - 18:15 **POSTER SESSION**
- 18:15 - 19:30 Dinner
- 20:30 - end **ACTIVITY: BOARD GAME NIGHT**



Source: www.diejugendherbergen.de

Wednesday 18th November

08:00 - 09:00	Breakfast
09:00 - 09:40	Check out
09:40 - 10:20	STUDENT SESSION 5: Herborg Asgeirsdottir - Inactivation of hippocampal CA1 neurons in C57BL/6J mice disrupts discrimination and avoidance of objects that are either stationary or moving around the environment May-Li Silva - Eye movements in freely moving rats exposed to overhead visual threatening stimuli
10:20 - 10:40	Coffee break
10:40 - 11:40	STUDENT SESSION 6: Dario Tejera - Two-photon in vivo microscopy on murine systemic inflammation model Christine Schuy - Reduced sialylation increases neuronal loss in aging mice Aidan Kaar - Investigating the involvement of the cyclic ADP ribose signalling pathway in group 1 mGluR-mediated signalling, in cultured murine hippocampal neurons
11:40 - 12:10	Final Remarks
12:10 - 13:10	Lunch
13:30	Departure to Bonn

Venue

Grafenschloss-Jugendherberge Diez
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