



Introductory Remarks to Symposium 12

Breaking News

Marc Spehr, Aachen

Students had the choice to either register with a poster presentation or apply for an oral communication. The program committee has selected the young investigator presentations from these submissions and assigned them either to a symposium or to the Breaking News symposia.

For the first time, the NWG will award three prizes (500, 300, 200 €) for student participants at the Göttingen 2019 meeting - the **Breaking News' Best Paper Awards**.

The prizes will be given to three young scientists who present the best talks in the Breaking News Symposia. Criteria for selection are the novelty of the findings which are presented and their potential impact on future research and the quality of the presentation, both the speech and the slides. A jury will pick the awardees, and the awards will be announced and bestowed during the conference at the beginning of the last plenary lecture of the day.

The following students were selected to give a short communication in Symposium 12 – Breaking News I:

- 11:30 **Opening Remarks**
- 11:35 Felix Clotten, Cologne
DESCENDING CONTROL OF TWO COUPLED LOCOMOTOR SYSTEMS (S12-1)
- 11:45 Sonja Sivcev, Praha, Czech Republic
TESTOSTERONE DERIVATIVES INCREASE SENSITIVITY OF P2X RECEPTORS TO ATP AND ANTAGONIZE THE EFFECT OF IVERMECTIN ON DEACTIVATION (S12-2)
- 11:55 Madhura Ketkar, Mainz
A LUMINANCE-SENSITIVE CELL TYPE IN *DROSOPHILA* FACILITATES VISUAL CONTRAST COMPUTATION (S12-3)

Symposium 12

Thursday, March 21, 2019
11:30 - 13:30, Lecture Hall 104

Chair: Marc Spehr, Aachen

- 12:05 Aarti Sehdev, Konstanz
OLFACTORY OBJECT RECOGNITION BASED ON FINE-SCALE STIMULUS TIMING IN *DROSOPHILA* (S12-4)
- 12:15 Sebastian M. Molina-Obando, Göttingen
A COMBINATION OF GABA- AND GLUTAMATE-GATED CHLORIDE CHANNELS MEDIATES ON SELECTIVITY IN THE *DROSOPHILA* VISUAL SYSTEM (S12-5)
- 12:25 **Break**
- 12:35 Andreea Constantinescu, Vienna, Austria
MULTIPLEXING MOTOR FUNCTIONS AND IMPULSIVE TRAITS IS MOLECULARLY DISSOCIATED BY SUBTHALAMIC METABOTROPIC GLUTAMATE RECEPTOR 4 (S12-6)
- 12:45 Ahmed Shaaban, Göttingen
DISSECTING KEY MECHANISMS OF GUT-TO-BRAIN SIGNALLING (S12-7)
- 12:55 Thede Witschel, Tübingen
FINITE ELEMENT SIMULATIONS OF ACTIVE ELECTROCEPTION (S12-8)
- 13:05 Özge Demet Özcete, Göttingen
SOUND ENCODING AT INDIVIDUAL INNER HAIR CELL SYNAPSES (S12-9)
- 13:15 Jennifer Heck, Magdeburg
C-TERMINAL SPLICING OF PRESYNAPTIC CALCIUM CHANNELS CONTRIBUTES TO THE VARIABILITY OF NEUROTRANSMITTER RELEASE (S12-10)
- 13.25 Daniel G. Schmidt, Ulm
EXECUTIVE EYE MOVEMENT IMPAIRMENT IN PRESYMPTOMATIC AMYOTROPHIC LATERAL SCLEROSIS MUTATION CARRIERS (S12-11)