Introductory Remarks to Symposium 13

Breaking News II

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 13 – Breaking News II:

14:30 **Opening Remarks**

14:35 Michael Schweigmann, Homburg
EXPLORING CORTICAL BRAIN NETWORKS WITH FLEXIBLE LCP MICROELECTRODE ARRAYS IN PARALLEL TO TWO-PHOTON IMAGING OF ANAESTHETIZED AND AWAKE MICE (S13-1)

14:45 Raziye Karapinar, Bochum
DESIGN OF AN ULTRA-FAST SWITCHING MOUSE MELANOPSIN VARIANT WITH A NARROW ACTION SPECTRUM (S13-2)

14:55 Marcel Brosch, Magdeburg
A FLEXIBLE AND TRANSPARENT ELECTRODE ARRAY FOR CLOSED-LOOP OPTOGENETIC STIMULATION (S13-3)

Symposium 13

Thursday, March 21, 2019
14:30 - 16:30, Lecture Hall 102

Chair: Marc Spehr, Aachen

15:05 Sofia Elizarova, Göttingen
NANOSENSOR-BASED IMAGING OF PRESYNAPTIC DOPAMINE RELEASE (S13-4)

15:15 Oana Constantin, Hamburg
MANIPULATION OF INTRACELLULAR CAMP AND MEMBRANE POTENTIAL USING LIGHT ACTIVATED ADENYLYL CYCLASES AND CNG CHANNELS (S13-5)

15:25 **Break**

15:35 Golan Karvat, Freiburg
REAL-TIME NEUROFEEDBACK IN FREELY BEHAVING RATS: TRAINING A NETWORK TO STUDY A NETWORK (S13-6)

15:45 Meike M. Rogalla, Oldenburg
HEARING COLORS: EVALUATION OF FREQUENCY REPRESENTATION IN OPTOGENETIC MIDBRAIN IMPLANTS (S13-7)

15:55 Mauro Pulin, Hamburg
CHEMOGENETIC SILENCING: SYNAPTIC MECHANISMS AND LONG-TERM EFFECTS AT SCHAFFER COLLATERAL SYNAPSES (S13-8)

16:05 Margarita Anisimova, Hamburg
OPTOGENETIC SPIKE-TIMING-DEPENDENT PLASTICITY (OSTDP) (S13-9)

16:15 Yixin Tong, Freiburg
OPTOGENETIC STIMULATION OF VTA DOPAMINERGIC NEURONS IN A RODENT MODEL OF DEPRESSION (S13-10)

16:25 **Concluding Remarks**