

Introductory Remarks to Symposium 12

Breaking News I

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 4th time, the NWG will award three prizes (500, 300, 200 €) for student participants at the Göttingen Meeting 2025 - 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 after the last lecture on Saturday.

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

10:30 **Opening Remarks**

- 10:35 Rui Wang, Hamburg
ALL-OPTICAL INVESTIGATION OF THE ROLE OF CAMKII ON LONG-TERM PLASTICITY IN THE HIPPOCAMPUS (S12-1)
- 10:45 Varsha Ramakrishna, Goettingen
VISUAL ENCODING BY RETINAL GANGLION CELLS IN OPTOGENETIC MODELS FOR VISION RESTORATION(S12-2)
- 10:55 Aaron Lorenzo Norman, Leipzig
CRITERIA FOR IDENTIFICATION AND ACCURATE QUANTIFICATION OF SPINAL MOTOR NEURONS IN HEALTHY AND DISEASE MOUSE MODELS (S12-3)

Symposium 12

Thursday, March 27, 2025
10:30 - 12:30, Lecture Hall 103

Chair: Marc Spehr, Aachen

- 11:05 Carolin Schumacher, Goettingen
EXPERIENCE- AND STATE-DEPENDENT ADAPTATION OF EATING BEHAVIOR BY BDNF-EXPRESSING LATERAL HYPOTHALAMIC POPULATIONS (S12-4)
- 11:15 Nina May Schwarz, Konstanz
APPETITE FOR AGGREGATION: HOW STARVATION FUELS LOCUST SOCIAL LIFE (S12-5)
- 11:25 **Break**
- 11:35 Ali Mohammadi, Bonn
A NOVEL AI-BASED TOOL FOR REAL-TIME USV DETECTION AS UNBIASED MARKERS OF DISTINCT SOCIAL INTERACTIONS (S12-6)
- 11:45 Siran Sireci, Magdeburg
FUNCTIONAL CHARACTERIZATION OF TARGET-DEFINED MTCS IN OLFACTORY INFORMATION PROCESSING (S12-7)
- 11:55 Nadja Treiber, Erlangen
EFFECTS OF ADOLESCENT STRESS ON SYNAPTIC TRANSMISSION AND PLASTICITY IN THE ADULT MOUSE DENTATE GYRUS (S12-8)
- 12:05 Jiajun Zhang, Cologne
IDENTIFICATION, ORGANIZATION, AND CONNECTOMICS OF MONOAMINERGIC NEURONS IN THE ADULT *DROSOPHILA* BRAIN (S12-9)
- 12:15 Rina Patel, Berlin
OPTOGENETIC CONTROL OF MITOCHONDRIA IN PV+ INTERNEURONS ALTERS CA1 FUNCTION (S12-10)
- 12:25 **Concluding Remarks**