

5th Schram Foundation Symposium

“New insights into brain function”

Ayşe Yaralı (Magdeburg) & Oliver Schlüter (Göttingen/ Pittsburgh)

The Schram Foundation, launched by Dr. Armin Schram, supports basic brain research since more than 15 years. The 5th Schram Foundation Symposium, traditionally held as a satellite event of the biennial meeting of the German Neuroscience Society, will present a selection of funded projects. Two eminent keynote speakers will enrich the scientific program. Highlighting the interdisciplinary nature of modern neuroscience, the program will feature research spanning molecular, cellular, circuit and behavioral levels.

The symposium will start with a keynote lecture by Matthijs Verhage (Amsterdam NL) about the trafficking and fusion of neurotransmitter vesicles critical for neuronal function and plasticity. This will be followed by contributions from five grant holders: Ira Milosevic (Göttingen) demonstrating how malfunction of synaptic vesicle recycling eventually leads to neurodegeneration; Carmen Ruiz de Almodovar (Heidelberg) discussing the neuro-vascular interface between the nervous system and the rest of the body; Oliver Schlüter (Göttingen/ Pittsburgh USA) presenting the molecular mechanisms of gating long-term synaptic plasticity; Alexander Gottschalk (Frankfurt) reporting on the modulatory role of neuropeptides in synaptic transmission; and Ayşe Yaralı (Magdeburg) delineating the neural circuits underlying learning of pain-relief. The symposium will be concluded with a keynote lecture by Hans-Christian Pape (Münster) about the neural circuits underlying fear and anxiety.

5th Schram Foundation Symposium

“New insights into brain function”

Tuesday, March 21, 2017

13:00 – 19:00

Lecture Hall MPI for Experimental Medicine (Hermann-Rein-Str. 3, Göttingen)

Chairs: Ayse Yarali, Magdeburg & Oliver Schlüter, Göttingen/ Pittsburgh USA

13:00

Christian Rosenmund: Welcome and opening remarks

13:10

Matthijs Verhage: Trafficking and fusion of dense core vesicles in mammalian neurons

14:00

Ira Milosevic: Molecular mechanisms of neurodegeneration caused by defective synaptic vesicle recycling

14:30

Carmen Ruiz de Almodovar: Neuro-vascular communication in the central nervous system

15:00

Coffee break and poster session

16:00

Oliver Schlüter: Gating of synaptic plasticity by modulation of dendritic potassium channels

16:30

Alexander Gottschalk: Fast cAMP modulation of neurotransmission via neuropeptide signals and vesicle loading

17:00

Ayse Yarali: Neuronal circuit analyses of relief learning

17:30

Coffee break

18:00

Hans-Christian Pape: Predictable or unpredictable threat: what the extended amygdala has to do with it

18:50

Eckart D. Gundelfinger: Closing remarks

Board of Trustees of the Schram Foundation:

Heinrich Betz, Eckart Gundelfinger, Marilen Macher, Christian Rosenmund

Information at:

<http://www.schram-stiftung.de/>