

6th Schram Foundation Symposium

The mammalian brain: development and function

Speakers

Timothy Ryan (U.S.A.)

Marisa Karow (Germany)

Tran Tuoc (Germany)

Andrew King (U.K.)

Martin Heine (Germany)

Alessio Attardo (Germany)

Tara Keck (U.K.)

Satellite symposium of the
13th meeting of the German Neuroscience Society

Tuesday, March 19th 2019, 13:00h to 19:00h
Lecture Hall Max Planck Institute for Experimental Medicine
Hermann-Rein-Str. 3, Göttingen, Germany.

6th Schram Symposium

The mammalian brain: development and function

Tuesday, March 19th 2019

Lecture Hall Max Planck Institute for Experimental Medicine (Hermann-Rein-Str. 3, Göttingen)

Chairs: Ira Milosevic (*European Neuroscience Institute, Göttingen*)

Alessio Attardo (*Max Planck Institute of Psychiatry, Munich*)

Program

13:00 **Eckart Gundelfinger** (*Leibniz-Institut für Neurobiologie, Magdeburg, Germany*)

Welcome and opening remarks.

13:10 **Timothy Ryan** (*Weill Cornell Medical College, New York, NY, USA*)

The cost of thinking: the local economy of synapse function

14:00 **Marisa Karow** (*Ludwig-Maximilians-Universität, Munich, Germany*)

Probing the transcriptional programs underlying human neurogenesis through direct reprogramming.

14:30 **Tran Tuoc** (*Universitätsmedizin Göttingen, Göttingen, Germany*)

Epigenetic regulation in cortical expansion.

15:00 **Andrew King** (*University of Oxford, Oxford, UK*)

Neural bases for adaptation to monaural deprivation

15:30 *Coffee break and Poster session*

- 16:30 **Martin Heine** (*Leibniz-Institut für Neurobiologie, Magdeburg, Germany*)
Extracellular calcium channel subunits shape neuronal connectivity.
- 17:00 **Alessio Attardo** (*Max Planck Institute of Psychiatry, Munich, Germany*)
Cellular substrates for network information processing in hippocampal CA1.
- 17:30 *Coffee break*
- 18:00 **Tara Keck** (*University College London, London, U.K.*)
Synaptic Plasticity in the Mouse Visual Cortex.
- 18:50 **Dorothea Schulte** (*Goethe-Universität, Frankfurt, Germany*)
Closing remarks.

Summary Satellite Tuesday, March 19th 2019, 13:00 – 19:00

Introductory Remarks to Satellite Symposium

6th Schram Symposium

The mammalian brain: development and function

Ira Milosevic and Alessio Attardo (Göttingen and Munich)

The Schram Foundation, launched by Dr. Armin Schram in year 2000, supports basic brain research since more than 18 years.

The 6th Schram Foundation Symposium, traditionally held as a satellite event of the biennial meeting of the German Neuroscience Society, will showcase a selection of the most recently-funded projects. Two eminent international 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

Timothy Ryan from the Cornell Medical College will start the symposium with a keynote lecture discussing energy balance at synapses. Marisa Karow from the Ludwig-Maximilian University in Munich will focus on the transcriptional programs governing human neurogenesis. Tran Tuoc from the Medical Faculty, University of Goettingen will discuss the role of chromatin remodeling in the genesis of basal progenitors and cortical expansion. Martin Heine from the Leibniz Institute for Neurobiology will discuss the role of the extracellular subunits of calcium channels in shaping neuronal connectivity. Andrew King from the University of Oxford will focus on the neural bases for adaptation to monaural deprivation. Alessio Attardo from the Max Planck

Institute of Psychiatry in Munich will discuss the role of hippocampal plasticity in memory acquisition and recall. Tara Keck from University College London will conclude the symposium with a keynote lecture considering the structural and functional properties of spines that undergo plasticity following sensory deprivation.

In addition, the symposium will host a posters session featuring the work of past and present grantees.

Attendance is free.