Satellite Symposium

Resolving the brain circuitry: A story of tools, experiments and models

11:00-12:00	Get together & light lunch
12:00-12:15	Welcome by the SPP 1665, 1926 and 2041 coordinators (Ileana Hanganu-Opatz, Alexander Gottschalk, Jochen Triesch)
12:15-13:00	**Kenneth Harris** – University College London, United Kingdom *The molecular organization of hippocampal CA1 interneurons determined by single-cell and in-situ sequencing*
13:00-13:45	**Peter Hegemann** – Humboldt-University Berlin, Germany *Light-enzymes for cell hyperpolarization*
13:45-14:00	***Highlight SPP 1665*** **Mattia Chini** – University Medical Center Hamburg-Eppendorf, Germany *Microglia inhibition rescues developmental hypofrontality in a mouse model of mental illness*
14:00-14:15	***Highlight SPP 1926*** **Peter Soba** – University Medical Center Hamburg-Eppendorf, Germany *Engineered optogenetic anion channels for in vivo analysis of neuronal circuits*
14:15-14:30	***Highlight SPP 2041*** **Marcel Oberländer** – Center of Advanced European Studies and Research, Bonn, Germany *Cortex in Silico*
14:30-15:15	**Euisik Yoon** – University of Michigan, Ann Arbor, USA *High-density optoelectrodes for monitoring and manipulating brain activities*
15:15-16:15	Coffee break
16:15-16:30	***Highlight SPP 1926*** **Miguel Fernandes** – Max-Planck-Institute of Neurobiology Munich, Germany *Potassium channel-based optogenetic silencing*
16:30-17:15	**Rainer Friedrich** – Friedrich Miescher Institute for Biomedical Research Basel, Switzerland *Connectivity and computations in olfaction*
17:15-18:00	***Highlight SPP 2041*** **Simon Rumpel** – Johannes Gutenberg-University Mainz, Germany *Recombination of cell assemblies in a dynamic network*
18:00-18:45	**Claire Wyart** – Institute for Brain and Spinal Cord Paris, France *Optical investigation of a novel sensory pathway in vertebrates: tasting from within*
18:45-19:00	***Highlight SPP 1665*** **Marta Carius-Cadavieco** – Max-Planck-Institute Cologne, Germany *Gamma oscillations organize top-down signaling to hypothalamus and enable food seeking*
19:00-19:45	**Moritz Helmstaedter** – Max-Planck-Institute Frankfurt am Main, Germany *Cerebral cortex connectomics*
19:45-20:00	Concluding remarks by the SPP 1665, 1926 and 2041 coordinators (I. Hanganu-Opatz, A. Gottschalk, J. Triesch)