

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