

**GRK2162**

**September 19<sup>th</sup> - 21<sup>st</sup>, 2018**

**Symposium**



**VENUE:**

New Lecture Hall of Medical Faculty, Ulmenweg 18, 91054 Erlangen

**PROGRAM AT A GLANCE**

Wednesday Sep. 19 <sup>th</sup>	
4.30 – 5.45 pm	Registration
5.45 – 6.00 pm	Welcome <b>Jürgen Schüttler</b> (Dean, Medical Faculty, FAU Erlangen) <b>Friedrich Paulsen</b> (Vice President, FAU Erlangen) <b>Chichung Lie</b> (Speaker GRK2162)
6.00 – 7.00 pm	<b>Keynote: Fred H. Gage</b> (Salk Institute for Biological Studies, La Jolla, USA) Early life experience and structural variation of neural genomes

Thursday Sep. 20th	
8.15 - 09.00 am	Registration
<b>Session 1</b>	Chair: Marie-Theres Wittmann / De-Hyung Lee
9.00 - 9.30 am	<b>Victor Borrell</b> (CSIC, Alicante, Spain) Cellular and genetic mechanisms of cerebral cortex expansion
9.30 - 10.00 am	<b>Denis Jabaudon</b> (Université de Genève, Switzerland) Dynamic control of neuronal diversity in the developing neocortex
10.00 - 10.15 am	<b>Christina Kyrousi</b> (MPI of Psychiatry, Munich, Germany) The extracellular matrix protein LGALS3BP regulates basal radial glial cells generation and human cortical development
10.15 - 10.30 am	<b>Jana Heppt</b> (FAU Erlangen, Germany) Wnt-signaling in maturation of adult-generated hippocampal neurons
10.30 - 11.00 am	Coffee Break
<b>Session 2</b>	Chair: Sören Turan
11.00 - 11.30 am	<b>Gaia Novarino</b> (IST Vienna, Austria) Genetic and epigenetic defects in neurodevelopmental disorders
11.30 - 12.00 pm	<b>Tobias Böckers</b> (University of Ulm, Germany) Model systems to analyze autism spectrum disorders (ASDs)
12.00 - 12.30 pm	<b>Hans van Bokhoven</b> (Radboud UMC, Nijmegen, Netherlands) Converging molecular and cellular pathways across neurodevelopmental disorders
12.30 - 2.30 pm	Poster Session 1 and Boxed Lunch
<b>Session 3</b>	Chair: Martin Regensburger
2.30 - 3.00 pm	<b>Francesca Peri</b> (UZH, Zurich, Switzerland) The brain under surveillance: the role neuronal-microglial interactions in the development and repair of the CNS
3.00 - 3.30 pm	<b>Ileana Hanganu-Opatz</b> (UKE, Hamburg, Germany) Cognitive ontogeny in health and mental illness: a story of right communication
3.30 - 4.00 pm	<b>Melanie Meyer-Luehmann</b> (University of Freiburg, Germany) Seed-induced A $\beta$ deposition impairs adult neurogenesis in mouse models of Alzheimer's disease
4.00 - 4.30 pm	Coffee Break
<b>Session 4</b>	Chair: Melanie Küspert/ Simone Reiprich
4.30 - 4.45 pm	<b>Alana Hoffmann</b> (University Hospital Erlangen, Germany) Oligodendroglia $\alpha$ -synucleinopathy triggers early and regional-specific myeloid immune response in multiple system atrophy
4.45 - 5.00 pm	<b>Jeffrey S. Davies</b> (Swansea University, Wales, UK) Circulating unacylated-ghrelin impairs hippocampal neurogenesis and memory in mice and is altered in human Parkinson's disease dementia
5.00 - 5.30 pm	<b>Klaus-Armin Nave</b> (MPI for Exp. Medicine, Göttingen, Germany) Powering Axons: Novel Functions of Oligodendrocytes in Energy Metabolism
5.30 - 6.00 pm	<b>Leda Dimou</b> (University of Ulm, Germany) NG2-glia in the adult brain: our new friends?

Friday Sep. 21 <sup>st</sup>	
8.00 – 8.30 am	Coffee
<b>Session 5</b>	Chair: Ruth Beckervordersandforth / Christiane Mühle
8.30 - 9.00 am	<b>André Fischer</b> (DZNE, Göttingen, Germany) Epigenetic processes in neurodevelopmental and adult brain diseases
9.00 - 9.30 am	<b>Sebastian Jessberger</b> (UZH, Zurich, Switzerland) Elucidating the molecular and cellular dynamics of neurogenesis in the adult hippocampus
9.30 - 10.00 am	<b>Hongjun Song</b> (University of Pennsylvania, USA) Epitranscriptomic regulation in the nervous system
10.00 - 10.15 am	<b>Leila Haj Abdullah Alieh</b> (CRTD, Dresden, Germany) Alternative splicing regulates neurogenic commitment in the mammalian brain
10.15 - 10.30 am	<b>Baptiste Jaeger</b> (UZH, Zurich, Switzerland) A novel environment-evoked transcriptional signature predicts reactivity in single dentate granule neurons
10.30 am - 12.30 pm	Poster Session 2 and Coffee Break
<b>Session 6</b>	Chair: Tania Rizo
12.30 - 1.00 pm	<b>Verdon Taylor</b> (University of Basel, Switzerland) Activation of depressed stem cells in the adult septum
1.00 - 1.30 pm	<b>Guo-li Ming</b> (University of Pennsylvania, USA) Brain-Region-Specific Organoids for Modeling Neurodevelopment and Disease
1.30 - 1.45 pm	<b>Wrap up, End of meeting</b>

**Organizing Committee:** Ruth Beckervordersandforth, Chichung Lie, Tania Rizo, Tobias Schwarz, Sören Turan, Jürgen Winkler, Marie-Theres Wittmann

This meeting is sponsored by Novartis Pharma GmbH, Hoffmann-La Roche AG, Janssen-Cilag GmbH, Celgene Corporation, Miltenyi Biotec GmbH and Development (journal).