Wednesday, May 2

15:00 – 16:00 Registration
16:00 – 16:15 Welcome: Gerd Kempermann
16:15 – 16:20 Abcam
16:20 – 16:55 H. Georg Kuhn (University of Gothenburg, Sweden)
16:55 – 17:30 Jason Snyder (University of British Columbia, Canada)
17:30 – 19:30 Poster session I and drinks reception

Thursday, May 3

09:00 – 09:35 Federico Calegari (CRTD – Technische Universität Dresden, Germany)
Enhancing neurogenesis though-out life

09:35 – 09:55 David Petrik (Helmholtz Center Munich, Germany)
Epithelial sodium channel regulates adult neural stem cell proliferation in a flow-dependent manner

09:55 – 10:15 Vijay Adusumilli (DZNE Dresden, Germany)
Endogenous Redox levels delineate functional heterogeneity of hippocampal stem cells

10:45 – 11:20 Michael Brand (CRTD - Technische Universität Dresden, Germany)
Learning from the fish: regeneration of the adult zebrafish brain

11:20 – 11:40 Filippo Calzolari (Johannes Gutenberg University Mainz, Germany)
Subtle changes in clonal dynamics underlie the age-related decline in neurogenesis

11:40 – 12:15 Laure Bally-Cuif (Institut Pasteur, France)
Single cell and population effects ensuring neural stem cell maintenance in the adult zebrafish telencephalon

13:15 – 13:50 Benedikt Berninger (King’s College London, UK)
Unfolding of a developmental program during lineage conversion of human brain pericytes into neurons by synergistic Ascl1 and Sox2
13:50 – 14:10 Carlos Fitzsimons (Swammerdam Institute for Life Sciences, The Netherlands)
Glucocorticoid oscillations are crucial for the development of morphological features and dendritic spine pruning in adult hippocampal newborn granule neurons in a mouse model of accelerated senescence

14:10 – 14:45 Henriette van Praag (NIH, US)
New neurons in the fast lane: exercise and adult neurogenesis

15:15 – 15:35 Christiane Wrann (Massachusetts General Hospital, US)
The exercise hormone FNDC5 / irisin is required for the exercise-induced improvements of spatial learning and memory and hippocampal neurogenesis

15:35 – 15:55 Kai Diederich (German Federal Institute for Risk Assessment, Germany)
The more the merrier? Differential effects of exercise strategies and intensities on memory performance and neurogenesis

15:55 – 16:55 Keynote: Fred H. Gage (Salk Institute for Biological Studies, US)
Recent advances in the regulation and function of adult neurogenesis

17:00 – 19:00 Poster session II and drinks reception
19:00 Transportation to conference social
19:30 Conference social at Pulverturm Restaurant

Friday, May 4

09:00 – 09:35 Nora Abrous (Université Bordeaux, France)
Influence of spatial learning on the connectivity of adult-born hippocampal neurons

09:35 – 09:55 Claire Rampon (CNRS, France)
Amplifying mitochondrial function rescues adult neurogenesis in a mouse model of Alzheimer’s disease

09:55 – 10:15 Stefano Farioli Vecchioli (Institute of Cell Biology and Neurobiology, Italy)
Novel strategies to enhance adult neurogenesis through the Crispr/cas9-mediated conditional knockdown of p21Waf1/Cip1 gene

11:00 – 11:35 Alejandro Schinder (Leloir Institute, Argentina)
Network remodeling in the adult hippocampus by neurogenesis and experience

11:35 – 11:55 Sandra Wendler (CECAD Institute, Germany)
Role of mitochondrial fusion dynamics in adult hippocampal NSC lineage progression

11:55 – 12:15 Tara Walker (CRTD - Technische Universität Dresden, Germany)
Cell death in adult hippocampal neurogenesis is ferroptotic and rescued by selenium

Lunch
13:15 – 13:50  Sandrine Thuret (King's College London, UK)
*Neurogenesis factors as biomarkers of cognitive ageing and dementia*

13:50 – 14:10  Evgenia Salta (KULeuven/VIB, Belgium)
*MiR-132: promoting adult neurogenesis in Alzheimer’s Disease*

14:10 – 14:30  Iris Schäffner (Universität Erlangen, Germany)
*FoxO-dependent autophagic flux controls development of the postsynaptic compartment of adult-generated hippocampal neurons*

14:30 – 15:05  Sebastian Jessberger (University of Zurich, Switzerland)
*Imaging the cellular dynamics of neurogenesis in the adult hippocampus*

15:05  Close