SUNDAY, JANUARY 9

Welcome and Keynote Address
*Jenny Hsieh*, University of Texas Southwestern Medical Center at Dallas, USA
*Fred H. Gage*, The Salk Institute for Biological Studies, USA

Adult Neurogenesis: Significant Answers and Significant Questions

MONDAY, JANUARY 10

Neural Stem Cells, Niches and Fate Decision
*Arturo Alvarez-Buylla*, University of California, San Francisco, USA
*Jonas Frisén*, Karolinska Institutet, Sweden
*Dieter Chichung Lie*, Helmholtz Center Munich, Germany
*Grigori Enikolopov*, Cold Spring Harbor Laboratory, USA
*Michael A. Bonaguidi*, Johns Hopkins University School of Medicine, USA

Short Talk: Clonal Analysis of Radial Glia-Like Cells Reveals Self-Renewal and Multipotential Properties in the Adult Hippocampus

Regulation
*Jenny Hsieh*, University of Texas Southwestern Medical Center at Dallas, USA
*Master Transcriptional and Epigenetic Regulators in Adult Neurogenesis*

Yanhong Shi, Beckman Research Institute of City of Hope, USA
Short Talk: Nuclear Receptor TLX and microRNA Regulatory Cascade in Neural Stem Cells

Chun-Li Zhang, University of Texas Southwestern Medical Center, USA
Short Talk: Molecular Mechanism Controlling Adult Neural Stem Cell Activation

Angélique Bordey, Yale University School of Medicine, USA
Subventricular Zone Astrocytes Couple Proliferation to Local Blood Flow Regulation

Gerd Kempermann, Center for Regenerative Therapies, Germany
Physical Activity and Enriched Environments: Regulation of Adult Neurogenesis and Functional Consequences

TUESDAY, JANUARY 11

Functional Integration
*Alejandro Fabian Schinder*, Fundacion Instituto Leloir, Argentina
*Hongjun Song*, Johns Hopkins University School of Medicine, USA

From Neural Stem Cells to Functional Neurons in the Adult Hippocampus
Neuronal Activity-Dependent Regulation of Adult Hippocampal Neurogenesis
Tatyana Beverly Dias, University of Edinburgh, UK
Short Talk: Spatial and Temporal Expression of Delta-Notch Signaling during Spinal Cord Regeneration in Adult Zebrafish

THURSDAY, JANUARY 13

Neurological Disorders and Repair
*Olle Lindvall, University of Lund, Sweden
Adult Neurogenesis After Stroke

Frank M. La Ferla, University of California, Irvine, USA
Neural Stem Cells in Alzheimer’s Disease

Jürgen Winkler, University Hospital Erlangen, Germany
Adult Neurogenesis in Parkinson’s Disease

Rene Hen, Columbia University, USA
Dorsal vs Ventral Hippocampal Neurogenesis: Implications for Cognition and Mood

Amar Sahay, Columbia University, USA
Short Talk: Impact of Increasing Adult Hippocampal Neurogenesis on Cognition and Mood

Mi-Hyeon Jang, Johns Hopkins Medical Institute, USA
Short Talk: Secreted Frizzled-Related Protein 3 (sFRP3) Regulates Activity-Dependent Adult Hippocampal Neurogenesis and Antidepressant Actions

Future of Neural Repair
*Pierre Vanderhaeghen, University of Brussels, Belgium
From Pluripotent Stem Cells to Cortical Circuits: Mechanisms and Implications for Neural Diseases

Carrolee Barlow, Brain Cells Inc., USA
Profiling Neurogenic Compounds to Treat CNS Disorders

Anders Haegerstrand, NeuroNova AB, Sweden
Identification and Clinical Application of Neural Progenitor Cell Proliferating Drugs

Sebastian Jessberger, ETH Zurich, Switzerland
Short Talk: Distinct Lipid Metabolism of Neural Stem Cells is Required for Adult Neurogenesis