Wednesday, June 25

14:00  Introductory remarks
Susann Schweiger, Mainz
Helmuth Steinmetz, Frankfurt

14:15 – 15:00  Lecture
Cornelius Gross
EMBL, Monterotondo, Italy
Controlling our fears: cortical modulation of innate defensive circuits in mice

Symposium I “Resilience”
Chair: Raffael Kalisch

15:00– 15:20
Soojin Ryu
MPI for Medical Research, Heidelberg
Stress response regulation in zebrafish larvae

15:20 – 15:40
Marianne Müller
Department of Psychiatry and Focus Program Translational Neuroscience, University Mainz
Neurobiological mechanisms shaping resilience to stress: a spotlight on mouse models

15:40 – 16:00
Michèle Wessa
Institute of Psychology, University Mainz
Relevance of emotion regulation for resilience: preliminary data and perspectives

16:00 – 16:20
Stephan Bender
Department of Child and Adolescent Psychiatry, University Frankfurt
The cortical excitation-inhibition balance in psychopathology and resilience

16:20 – 16:40  Coffee break

Symposium II “Contextual control of neural computation”
Chair: Matthias Kaschube

16:40 – 17:00
Jochen Roeper
Institute for Neurophysiology, University Frankfurt
Neuromodulatory Control of Cortical Function

17:00 – 17:20
Torfi Sigurdsson
Institute for Neurophysiology, University Frankfurt
Modulation of auditory cortex by behavior

Thursday, June 26

07:30 – 09:00  Breakfast

09:00 – 09:30  Lecture
Helmut Leder
Department of Psychological Basic Research and Research Methods, Faculty of Psychology, Vienna
Visual Empirical Aesthetics - Psychology of the Arts

Symposium III “Empirical Aesthetics and Neuroaesthetics”
Chair: Pascal Nicklas

09:30 – 10:00
Winfried Menninghaus
MPI for Empirical Aesthetics, Frankfurt
Features and effects of poetic and rhetorical language use

10:00 – 10:20
Matthias Schlesewsky
Department of English and Linguistics, University Mainz
Primate audition as a biologically plausible model for human language

10:20 – 10:40
Marion Behrens
Brain Imaging Center, University Frankfurt
Context-dependent processing of natural and artificial visual scenes

10:45 – 11:00  Coffee break
11:00 – 11:45 Lecture
IAK Molecular and Cellular Neurobiology speaker
Paul Saftig
Department of Biochemistry, University Kiel
APP Secretases: Insights into their multiple roles in health and disease

Symposium IV “Physiological role of APP in the CNS”
Chair: Thomas Deller/Ulrike Müller
11:45 – 12:00
Ulrike Müller
Inst. for Pharmacy and Molecular Biotechnology, University Heidelberg
Beyond amyloid - dissecting the functions of the APP gene family

12:00 – 12:15
Andreas Draguhn
Institute for Physiology and Pathophysiology, University Heidelberg
The role of APP and APLP for synaptic transmission, plasticity, and network function: lessons from genetic mouse models

12:15 – 12:30
Andreas Vlachos
Institute for Clinical Anatomy, University Frankfurt
A role for APP in homeostatic plasticity in the hippocampus

12:30 – 12:45
Stefan Kins
Div. of Human Biology and Human Genetics, TU Kaiserslautern
Copper promotes APP dimerization and synaptogenic function

12:45 – 13:00
Claus Pietrzik
Institute for Pathobiology, University Mainz
APP dimerization: Implications on APP neuronal transport and APP release

13:00 – 14:00 Lunch break

14:30 – 17:00 Posters and Coffee

Symposium V “Neural homeostasis”
Chair: Robert Nitsch
17:00 – 17:20
Björn Kampa
Institut de Neurosciences de la Timone, Marseille
Cortical Representation of Visual Scenery

17:20 – 17:40
Johannes Letzkus
MPI for Brain Research, Frankfurt
Circuit mechanisms of associative fear learning in auditory cortex

17:40 – 18:00
Axel Methner
Clinic for Neurology and Focus Program Translational Neuroscience, University Mainz
The role of a neuronal Calcium-binding protein in Huntington’s disease

18:00 – 20:30 Dinner (and FIFA World Cup USA-GER)

21:30 –  open end Party

Friday, June 27

07:30 – 09:00 Breakfast

09:00 – 09:45 Lecture
Johannes Bohacek
Lab of Neuroepigenetics, Brain Research Institute, University/ETH Zurich
Inheritance of the effects of early trauma across generations: Non-genomic mechanisms

Symposium VI “Neurogenetics and autism”
Chair: Susann Schweiger
09:45 – 10:05
Christine Freitag
Department of Child and Adolescent Psychiatry, University Frankfurt
Glutamatergic Candidate Genes in Autism Spectrum Disorder

10:05 – 10:25
Ulrich Zechner
Institute for Human Genetics and Focus Program Translational Neuroscience, University Mainz
The role of epigenetics in cognitive and mental disorders

10:25 – 10:45
Jennifer Winter
Institute for Human Genetics and Focus Program Translational Neuroscience, University Mainz
RNA regulation and the pathogenesis of ASD

10:45 – 11:05
Vijay Tiwari
Institute of Molecular Biology (IMB) and Focus Program Translational Neuroscience, Mainz
Epigenetic regulation of Neurogenesis

11:05 – 11:20 Coffee break

Symposium VII “New in the region”
Chair: Helmuth Steinmetz
11:20 – 11:40
Maik Stüttgen
Institute for Physiology and Pathophysiology and Focus Program Translational Neuroscience, University Mainz
Single-neuron correlates of perceptual decisions in sensory and associative brain areas

11:40 – 12:00
Hermann Cuntz
Ernst-Strüngmann-Institute, Frankfurt
A developmental stretch-and-fill process that optimises dendritic space filling

12:00- 12:20
Wolfgang Retz
Department of Psychiatry, University Mainz
Gene-Environment Interaction in the Development of Violent Behavior

12:20 – 12:40
Simon Rumpel
Institute for Physiology and Pathophysiology and Focus Program Translational Neuroscience, University Mainz
Neocortical dynamics and the perception of sounds

12:40 – 13:25 Lecture
Etienne Koechlin
Laboratoire de Neurosciences Cognitives, Département d’Etudes Cognitives, Ecole Normale Supérieure, Paris
Reasoning and decision-making in the human prefrontal cortex

13:25 – 13:30 Awarding of Poster Prizes

13:30 – 14:30 Lunch

14:30 Departure