Thursday 4th June

9:00 - 12:00 Satellite Symposium: "CRTD Symposium on Adult Neurogenesis"

*(Chairs: Gerd Kempermann, Justin Rhodes)*

- Hans-Peter Lipp
  Introduction to adult neurogenesis
- Irmgard Amrein
  Results from the comparative method
- Michael Brand
  Zebrafish as model organism to dissect the genetics of adult neurogenesis

Coffee Break

Constance Scharff
Finding your place when you are young: recruitment of adult-generated neurons into song nucleus HVC

Gerd Kempermann
Genes, cells, and environment in the control of adult hippocampal neurogenesis

Justin Rhodes
Functional analysis of exercise-induced neurogenesis in laboratory mice

12:00 - 13:00 Lunch

13:00 - 17:00 Satellite Symposium: "Automated Systems for Phenotyping"

*(Chairs: Gerd Kempermann, Rupert Overall)*

*Sponsored by TSE Systems*
Stephan von Hörsten
Automated vs. classical phenotyping in rat models of degenerative brain diseases

*Sponsored by Illumina*
Thomas Mühleisen
Genome-wide association study of bipolar disorder and follow-up: the Bonn/Mannheim study

*Sponsored by NewBehaviour*
Frank Buschmann
Consistent effects on cognitive phenotypes in the IntelliCage®

Coffee Break

*Sponsored by Tecan*
Roland Dumer
Automating Life Science Processes

*Sponsored by Noldus*
Raymond de Heer
Applying fully automated cognitive tests in a home cage

18:00 - Welcome Reception
**Friday 5th June**

09:00 - 10:00  **Keynote Lecture**  
Eric B. Keverne  
Evolutionary co-adaptation of the neuroendocrine hypothalamus and placenta in foetal programming

10:00 - 10:30  **Coffee Break**

10:30 - 12:15  **Symposium 1: “Mechanisms of Learning and Memory: from Molecules to Circuits”**  
*Chair: Hee-Sup Shin, Alcino J Silva*

Seth G N Grant  
Protosynapse as the origin of the brain: insights from synapse proteome studies

Alcino J Silva  
Molecular and cellular mechanisms of memory allocation in neuronetworks

Chris I de Zeeuw  
Creating coordination in the cerebellum

Hee-Sup Shin  
Involvement of the mediodorsal thalamus in extinction of fear memory

12:15 - 13:30  **Lunch**

13:30 - 15:00  **Outstanding Travel Awardees**  
Alyssa Picchini  
The contribution of neural stem cells and their lineages to the adult hippocampus

Christopher Kliethermes  
A role for brain insulin receptors in the locomotor stimulant response to ethanol in *Drosophila melanogaster*

Igor Ponomarev  
Amygdala transcriptome hints at cellular mechanisms underlying stress-enhanced fear learning, a rat model of posttraumatic stress disorder

15:00 - 15:30  **Coffee Break**

15:30 - 17:00  **IBANS General Business Meeting**  
Everyone is encouraged to attend

**Saturday 6th June**

09:00 - 10:00  **Award Lecture**  
Hans-Peter Lipp  
Natura enim simplex est

10:00 - 10:30  **Coffee Break**

10:30 - 12:30  **Symposium 2: “Evo-Behavio: genetic investigations of the mechanisms and evolution of behavior”**  
*Chair: Josh Dubnau*
Mike Cressy
Experimental evolution of rutabaga suppression: modeling epistasis underlying behavior

Joel Levine
Genetic basis of social behavior in *Drosophila*

Jesse Weber
Digging for the evolutionary and genetic basis of burrowing behavior in deer mice

Seth Ament
Nutritional regulation of division of labor in honey bee colonies

Frederic Mery
Transgenerational memory effect of aging in *Drosophila*

Partha Mitra
Evolution of song culture in the zebra finch

12:30 - 13:30  Lunch

13:30 - 15:15  Selected Talks Session 1

Wulf Haubensak
Fear control by inhibitory gating in the amygdala

Christopher Janus
Modelling dementia in mice: genes, at-risk individuals, and placebo effect

Fred Van Leuven
The amyloid-GSK3-tau-neurodegeneration connection revealed in transgenic and viral models

Doo-Sup Choi
Bridge between hyper-glutamatergic state and hypo-CREB Activity in alcoholism: role of Neurogranin in ENT1 null mice

15:15 - 15:45  Coffee Break

15:45 - 22:00  Poster Session

18:30  Buffet Dinner (*during poster session*)

Sunday 7th June

09:00 - 10:00  Award Lecture

Abraham Palmer
Recombination happens: my personal journey towards unorthodoxy and self realization

10:00 - 10:30  Coffee Break

10:30 - 12:15  Symposium 3: "Ultrasonic vocalizations as a social indicator in rodents"

(*Chairs: Maria Luisa Scattoni, Enrico Alleva*)

Maria Luisa Scattoni
When and with whom: mouse vocalizations in different social contexts

Garet Lahvis
Do mouse vocalizations convey emotional states?

Markus Wöhrl
Ultrasonic communication in rodents: playback of high-frequency ultrasonic vocalization induces social approach
Robert Liu
Hearing ultrasounds: neural activity in auditory cortex correlates with communicative significance

Julia Fischer
Rodent ultrasonic communication: insights into the evolution of communication

12:15 - Free Afternoon

Monday 8th June

09:00 - 10:00 Keynote Lecture

Ralph Greenspan
Sleep and Arousal in Drosophila

10:00 - 10:30 Coffee Break

10:30 - 12:15 Symposium 4: “Reference Populations of Mice to Study Nervous System Function”

(Chair: Leo Schalkwyk)

Maarten Loos
Behavioural and electrophysiological analyses in the BxD population

Sabine Spijker
Striatal proteomics & behavior in mice of the collaborative cross

Lianne Stanford
A genetic dissection of a behavioural repertoire using 50 mouse lines with mutations in postsynaptic proteins

Elissa Chesler
Multivariate genetic analysis for the functional genomics of behaviour

12:15 - 13:30 Lunch

13:30 - 15:15 Selected Talks Session 2

Albert Wong
Gene-environment interactions in the disc1 mutant mouse model for schizophrenia and depression

Marissa Ehringer
The role of Chrm6 and Chmb3 genes in alcohol behaviors â€“ human, molecular, and mouse genetics

Amy Lasek
Anaplastic lymphoma kinase is a transcriptional target of LMO4 and estrogen that controls cocaine-induced behaviors

Alexander Garthe
Genotypic influence on adult neurogenesis related aspects of spatial learning among BXD strains

John Crabbe
Pleiotropic and specific genetic influences on different ethanol withdrawal severity signs in mice

15:15 - 15:45 Coffee Break
15:45 - 17:30  **Symposium 5: “Expanding the alcohol withdrawal phenotype: reports from alcohol genetics research”**

*(Chair: Lauren Milner)*

John Crabbe  
Pleiotropic and specific genetic influences on different ethanol withdrawal severity signs in mice

Lauren Milner  
Testing multiple withdrawal behaviors in two novel mouse models: effects of alcohol and quantitative trait genes

David Overstreet  
Depressed-like behavior - that other affective phenotype of alcohol withdrawal

Alan Rosenwasser  
Circadian running-wheel activity during withdrawal from chronic intermittent ethanol vapor exposure in mice

19:00 -  **Closing Banquet**