

2018

Etiology and treatment of neurodegenerative diseases

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Ringberg Meeting: Big Questions in Biomedical Sciences

April 4-7, 2018,
Ringberg Castle, Rottach-Egern, Germany

Draft Programme

Wednesday, April 4th

Arrival, check-in (from 17⁰⁰) and dinner (18³⁰-20⁰⁰)

Session 1 Chairperson: NN

20⁰⁰-20²⁵ **Ilona Grunwald-Kadow, TU Munich**
Neuronal circuits of chemosensory processing and decision making

20²⁵-20⁵⁰ **Alun Davies, Cardiff University**
Regulation of neuronal survival and the elaboration of axons and dendrites

20⁵⁰-21¹⁵ **Ralf Adams, Max-Planck Inst. for Molecular Biomedicine**
Tissue morphogenesis

Thursday, April 5th

Session 2 Chairperson: NN

9⁰⁰-9²⁵ **Françoise Helmbacher, IBDM, Marseille**
Development and pathologies of neuromuscular circuits

9²⁵-9⁵⁰ **Victor Borrell, Inst. of Neuroscience, San Juan de Alicante**
Neurogenesis and cortical expansion

9⁵⁰-10¹⁵ **Graziana Gatto, The Salk Institute**
Spinal sensorimotor circuitry

10¹⁵-10⁴⁰ **Klas Kullander, Uppsala University**
Neuronal circuitries in the brain and spinal cord

10⁴⁰-11⁰⁰ Coffee break

11⁰⁰-11²⁵ **Yimin Zou, UCSD**
Circuit assembly and repair

11²⁵-11⁵⁰ **Riccardo Brambilla, Cardiff University**
The Ras-ERK signalling pathway in brain function and dysfunction

- 11⁵⁰-12¹⁵ **Taija Mäkinen, Uppsala University**
Vascular morphogenesis
- 12¹⁵-13³⁰ LUNCH
- 13³⁰-15³⁰ free time for outdoor activities
- 15⁰⁰-15³⁰ Coffee and tea in the Garden Room
- Session 3** Chairperson: NN
- 15³⁰-15⁵⁵ **Gaia Tavosanis, German Center for Neurodegen. diseases**
Dynamics of neuronal circuits
- 15⁵⁵-16²⁰ **Matthew Dalva, Jefferson College of Biomedical Sciences**
Generation of synapses and functional circuits
- 16²⁰-16⁴⁵ **Artur Kania, IRCM, Montreal**
Neural circuit development
- 16⁴⁵-17¹⁰ **Pontus Klein, ProQR Therapeutics**
Therapeutic strategies for Huntington's disease
- 17¹⁰-17²⁵ **Coffee Break**
- 17²⁵-17⁵⁰ **Frank Bradke, German Center for Neurodegen. diseases**
Axon growth and regeneration
- 17⁵⁰-18¹⁵ **Edgar Kramer, University of Plymouth**
Etiology and treatment of neurodegenerative diseases
- 18¹⁵-18⁴⁰ **Donata Orioli, Inst. of Molecular Genetics, Pavia**
DNA repair and human disorders
- 18⁴⁵-20⁰⁰ Dinner
- 20⁰⁰-21⁰⁰ Poster Session

Friday, April 6th

- Session 4** Chairperson: NN
- 9⁰⁰-9²⁵ **Elena Seiradake, Oxford University**
Structural biology of cell guidance receptors
- 9²⁵-9⁵⁰ **Uwe Drescher, King's College, London**
Axon guidance and the formation of topographic maps
- 9⁵⁰-10¹⁵ **Manuel Zimmer, IMP, Vienna**
Neural network dynamics and behaviour

- 10¹⁵-10⁴⁰ **Guillermina Lopez-Bendito, Inst. of Neuroscience, San Juan de Alicante**
Cellular and molecular mechanisms of brain wiring
- 10⁴⁰-11⁰⁰ Coffee break
- 11⁰⁰-11²⁵ **Liviu Aron, Yankner Lab, Harvard University**
A novel neuroprotective pathway in the aging brain
- 11²⁵-11⁵⁰ **Ingvar Ferby, Uppsala University**
Cellular signal transduction mechanisms and tumor biology
- 11⁵⁰-12¹⁵ **Liliana Minichiello, Oxford University**
Molecular mechanisms underlying synaptic plasticity, learning and memory
- 12¹⁵-13³⁰ LUNCH
- 13³⁰-15³⁰ free time for outdoor activities
- 15⁰⁰-15³⁰ Coffee and tea in the Garden Room
- Session 5** Chairperson: NN
- 15³⁰-15⁵⁵ **Amparo Acker-Palmer, Frankfurt University**
Wiring of the nervous and vascular systems
- 15⁵⁵-16²⁰ **Joaquim Egea, Universitat de Lleida**
Molecular and developmental neurobiology
- 16²⁰-16⁴⁵ **Satoru Yamagishi, Hamamatsu Univ. School of Medicine**
Functional analysis of novel axon guidance molecules
- 16⁴⁵-17⁰⁰ Coffee break
- 17⁰⁰-17²⁵ **Flavio Maina, IBDM, Marseille**
Signalling networks for stemness and tumorigenesis
- 17²⁵-17⁵⁰ **Alessandro Filosa, MDC, Berlin**
Feeding state modulates behavioral choice
- 17⁵⁰-18¹⁵ **Katja Brückner, UCSF**
Genetics and the environment in animal development and homeostasis
- 18¹⁵-18²⁵ RK concluding remarks
- 18³⁰-20⁰⁰ Bavarian Buffet, folkloric dress code
- 20⁰⁰ Party

Saturday, April 7th

Breakfast and departure