

3rd Brain Dynamics Scientific Day

24.09.2024



Centre for Biotechnology and Biomedicine (BBZ)
Seminar room and foyer, Deutscher Platz 5, 04103 Leipzig

Program

08:55 Welcome speech – Brain Dynamics Graduate School Spokesperson
Prof Dr Stefan Hallermann, Carl Ludwig Institute of Physiology, Faculty of Medicine.

09:00 Keynote Lecture
“Diverse molecular mechanisms underlying heterogeneity in presynaptic release probability”
Prof Dr Dr Zoltán Nusser, Hungarian Research Network, Institute of Experimental Medicine HAS, Budapest, Hungary.

09:50 Coffee break

10:20 Poster session I

11:00 “Neuronal correlates of time integration into memories”
Dr Marius Lamberty, Institute of Biology, Faculty of Life Sciences.

11:20 “Motor neurons degenerate by p53-mediated apoptosis in a mouse model for a juvenile-onset motor neuron disease”
Marie Luise Stephan, Carl Ludwig Institute of Physiology, Faculty of Medicine.

11:40 “Spreading depolarizations exhaust neuronal ATP in a model of cerebral ischemia”
Dr Karl Schoknecht, Carl Ludwig Institute of Physiology, Faculty of Medicine.

12:00 Lunch break with elections of the GS Board representatives

13:30 “Mechanisms of cultural spread and diversity through individual and population level music patterns”

Harin Lee, Max Planck Institute for Human Cognitive and Brain Sciences & Institute of Biology, Faculty of Life Sciences & Max Planck Institute for Empirical Aesthetics, Frankfurt am Main.

13:50 Pilot Project reports:

- “Interaction of obesity-activated astrocytes and microglia cells in response to plant sterols”

Laura Plantera, Institute of Anatomy, Faculty of Medicine.

- “3D mapping of parvalbumin interneuron-derived cortico-striatal axonal projections”

Hadiseh Hosseinnia, Paul Flechsig Institute of Neuropathology, University Hospital.

- “Bridging micro- and macroscale: Neuroanatomical correlates to gradient organization of human thalamus”

Alexandra John, Max Planck Institute for Human Cognitive and Brain Sciences & **Dr**

Philip Ruthig, Paul Flechsig Institute of Brain Research, Faculty of Medicine & Institute for Tissue Engineering and Regenerative Medicine, Helmholtz Munich, Neuherberg.

14:40 Poster session II

15:45 Coffee break

16:30 Keynote Lecture

“Of moments and memories: How subjective perception and experience shape one another in the human brain”

Dr Darinka Trübutschek, Research Group Neural Circuits, Consciousness, and Cognition, Max Planck Institute for Empirical Aesthetics, Frankfurt am Main.

17:20 Closing remarks and poster prize announcement

Prof Dr Marc Schönwiesner, Institute of Biology, Faculty of Life Sciences and

Prof Dr Stefan Hallermann, Carl Ludwig Institute of Physiology, Faculty of Medicine.