

3rd Brain Dynamics Scientific Day

24.09.2024



Centre for Biotechnology and Biomedicine (BBZ)
Lecture Hall and Foyer, Deutscher Platz 5, 04103 Leipzig

Poster presentations

Session I 10:20-11:00

1. **Ulrike Franke**, AG Pauls, Institute of Biology, Faculty of Life Sciences
“The role of octopamine and dopamine in reward processing”
2. **Nadine Nowag**, AG Thum, Institute of Biology, Faculty of Life Sciences
“The role of ethanol on larval locomotion in *Drosophila melanogaster*”.
3. **Samantha Aurich**, AG Pauls, Institute of Biology, Faculty of Life Sciences & AG Kovacs, Department of Endocrinology, Nephrology, Rheumatology, University Hospital
“Neurophysiological mechanisms that trigger bad food decisions”.
4. **Antonia Brunner**, AG Schmidt, Carl Ludwig Institute of Physiology, Faculty of Medicine
“Challenges in establishing LTP in the prefrontal cortex of mature mice: investigating conditions on the presynaptic site of layer 2/3 to 5 synapses”.
5. **Leonie Sowoidnich**, AG Simon, Carl Ludwig Institute of Physiology, Faculty of Medicine
“Criteria for identification and accurate quantification of spinal motor neurons in healthy and disease mouse models”.
6. **Felipe Baeza-Lehnert**, AG Hallermann, Carl Ludwig Institute of Physiology, Faculty of Medicine
“Activity-dependent energy metabolism in the presynapse”.

Session II

14:40-15:45

7. **Vincent Richter**, AG Thum, Institute of Biology, Faculty of Life Sciences

“Advanced behavioral phenotyping in *Drosophila melanogaster* to establish a model for inhalation toxicology for volatile organic compounds”.

8. **Alexandra John**, AG Valk, Otto Hahn Group Cognitive Neurogenetics, MPI-CBS

“Thalamocortical Connectivity Changes in Development”.

9. **Jonas Jänig**, AG Müller, Wilhelm Wundt Institute for Psychology, Faculty of Life Sciences

“Attentional shifts in visual 3D space. Explorative study to measure temporal neural dynamics in EEG and behavior”.

10. **Jakab Pilaszanovich**, AG Schönwiesner, Institute of Biology, Faculty of Life Sciences

“Adaptation to Auditory Distance Cues in Different Environments”.

11. **Sebastian Wehle**, AG Müller, Wilhelm Wundt Institute for Psychology, Faculty of Life Sciences

“Global feature-based spread attenuates spatial enhancement in early visual processing while preserving spatial selectivity”.

12. **Paul Friedrich**, AG Schönwiesner, Institute of Biology, Faculty of Life Sciences

“Relearning sound localization with new ears”.

13. **Valentina Tast**, AG Schröger, Wilhelm Wundt Institute for Psychology, Faculty of Life Sciences

“N1 suppression for self-generated sounds is unaffected by predictability of sound identity and occurrence”.

14. **Zofia Hołubowska**, AG Schönwiesner, Institute of Biology, Faculty of Life Sciences

“Listeners’ ability to localize sound is modulated by syntactic structure of music”.

15. **Dorukhan Açıl**, AG White/von Polier, Department of Paediatric Psychiatry, Psychotherapy and Psychosomatics, University Hospital

“Does parental attachment predict neural responses to parent-child play? An event-related fMRI Cyberball study”.