

# 2<sup>nd</sup> Brain Dynamics Scientific Day

28.09.2023



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

## Poster presentations

1. **Acharya Namrata**, AG Kittel, Institute of Biology, Faculty of Life Sciences  
“Presynaptic mechanisms underlying the functional differentiation of olfactory sensory neurons in *Drosophila*”.
2. **Açıl Dorukhan**, AG White/von Klitzing, Department of Paediatric Psychiatry, Psychotherapy and Psychosomatics, University Hospital  
“When do youth generalize representations of parents to peers: The role of maltreatment”.
3. **Aravamudhan Aishwarya**, AG Kittel, Institute of Biology, Faculty of Life Sciences  
“Rab3 is required for olfactory learning”.
4. **Bailey Emma**, AG Eippert, Max Planck Research Group Pain Perception, MPI-CBS  
“Task-evoked high frequency oscillations (>400Hz) in cortex and spinal cord.
5. **Dr. Bosch Queralt Mar**, AG Stassart/Fledrich, Paul Flechsig Institute of Neuropathology, Medical Faculty  
“Myelin insulation as a risk factor for axonal degeneration in autoimmune demyelinating disease”.
6. **Edler von der Planitz David**, AG Morawski, Paul Flechsig Institute for Brain Research, Medical Faculty  
“Microscopic Characterization of Short Association Fibers in the Human Brain”.
7. **Ernst Sánchez Eva**, AG Stassart/Fledrich, Paul Flechsig Institute of Neuropathology, Medical Faculty  
“Hyperleptinemia as a driver of obesity-induced neuropathy”.

8. **Fleischer Niko**, AG Stassart/Fledrich, Paul Flechsig Institute of Neuropathology, Medical Faculty

“Heterogeneity of myelinating Schwann cells”

9. **Großjohann Alexandra**, AG Thum, Institute of Biology, Faculty of Life Sciences

“The role of Oct $\beta$ 3R in appetitive learning and memory in larval and adult *Drosophila melanogaster*”.

10. **Gutsfeld Sebastian**, AG Tal, Department of Bioanalytical Ecotoxicology, Helmholtz Centre for Environmental Research – UFZ GmbH

“Discovery of a peroxisome proliferator-activated receptor  $\alpha$ -dependent mechanism for hyperactivity in early life stage zebrafish exposed to structurally similar Per- and Polyfluoralkyl Substances (PFAS)”.

11. **Herold Nadia Katherine**, AG Tal, Department of Bioanalytical Ecotoxicology, Helmholtz Centre for Environmental Research – UFZ GmbH

“Development of an acute toxicity fingerprinting system to identify neuroactive environmental chemicals in larval zebrafish”.

12. **Hosseinnia Hadiseh**, AG Schwab, Paul Flechsig Institute of Neuropathology, Medical Faculty

“Molecular mechanisms of GABAergic network integration and myelination”.

13. **Huff Louisa**, AG Grüneisen, Leipzig Research Center for Early Child Development, Faculty of Education

“Young children protect rule-breakers to repay a favour - even though they know better”.

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

“Thalamocortical structural connectivity and its relation to microstructure”.

15. **Dr. Leuthold David**, AG Tal, Department of Bioanalytical Ecotoxicology, Helmholtz Centre for Environmental Research – UFZ GmbH

“Fishing for mechanisms: Using zebrafish behavioral phenotyping to unravel the molecular mechanisms of neuroactive environmental chemicals”.

16. **Lohmann Jonas**, AG Morawski, Paul Flechsig Institute for Brain Research, Medical Faculty

“The Sound of Silence – How Hibernation Affects the Auditory Pathway”.

17. **Murai von Büнау Timothy**, AG Schmidt, Carl Ludwig Institute of Physiology, Medical Faculty

“Presynaptic mechanisms in neocortical long-term depression”.

18. **Dr. Nerlich Jana**, AG Hallermann, Carl Ludwig Institute of Physiology, Medical Faculty  
“Fully-primed slowly-recovering vesicles mediate presynaptic LTP at neocortical neurons”
19. **Pilaszanovich Jakab**, AG Schönwiesner, Institute of Biology, Faculty of Life Sciences  
“Perceptual Learning and Integration of Auditory Spatial Cues in Three Dimensions”.
20. **Richter Vincent**, AG Thum, Institute of Biology, Faculty of Life Sciences  
“Pharyngeal sense organs of *Drosophila* larvae”.
21. **Dr. Ruthig Philip**, AG Morawski, Paul Flechsig Institute for Brain Research, Medical Faculty  
“Automated Analysis of Myelinated Fibers in Electron Microscopic Data of Human White Matter”.
22. **Simon Miriam**, AG Widdig, Institute of Biology, Faculty of Life Sciences & Department of Human Behavior, Ecology and Culture, MPI-EVA  
“Impact of pesticides on the gut microbiome of mammalian wildlife foraging on palm-oil plantations”.
23. **Tast Valentina**, 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”.
24. **Wehle Sebastian**, AG Müller, Wilhelm Wundt Institute for Psychology, Faculty of Life Sciences  
“Facilitation by spatial attention precedes facilitation by object-based attention in a spatial attentional shifting task with a probability cueing”.
25. **Wittig Sandra**, AG Simon, Carl Ludwig Institute of Physiology, Medical Faculty  
“Cerebellar pathology in two mouse models for spinal muscular atrophy”.