

# Brain Dynamics Graduate School



## Newsletter – January ‘24

\*Let us know if you have an announcement, upcoming event, new publication or job posting!  
Send your information (with a link if applicable) to [jovanovic@uni-leipzig.de](mailto:jovanovic@uni-leipzig.de).  
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<https://lists.uni-leipzig.de/mailman/listinfo/neuroscience>

## Events

### ➤ Mind Meeting

18.01. 15:30 online

**Prof Russell Epstein**, Department of Psychology, University of Pennsylvania, PA, USA

“Structuring the cognitive map”.

<https://doellerlab.com/epstein/>

### ➤ Brain Dynamics Seminar Series

19.01. 12:00 Paul Flechsig Institute - Center of Neuropathology and Brain Research, Room 3093, Liebigstraße 19 (Haus C), 04103 Leipzig

**Dr Bilal Sheikh**, Helmholtz Institute for Metabolic, Obesity and Vascular Research (HI-MAG) of the Helmholtz Zentrum München at the University of Leipzig and University Hospital Leipzig

"Dissecting neurovascular function in health and disease".

<https://www.uni-leipzig.de/en/event-detail/event/dissecting-neurovascular-function-in-health-and-disease>

### ➤ Guest lectures at the MPI CBS

22.01. 15:30 MPI CBS, Wilhelm Wundt Room (A400), Stephanstraße 1A, 04103 Leipzig

**Laura Beghini**, Department of Physics, Norwegian University of Science and Technology (NTNU)

“Optimised navigator-based correction of physiological field fluctuations in multi-echo GRE of the spinal cord”.

<https://www.cbs.mpg.de/events/36478/338738>

**25.01.** 14:00 MPI CBS, Dorothea Erxleben Room (C004), Stephanstraße 1A, 04103 Leipzig

**Dr Marisa Nordt**, Research Group Developmental Cognitive Neuroscience, RWTH Aachen

“Cortical recycling in high-level visual cortex during childhood development”.

<https://www.cbs.mpg.de/events/36178/338738>

### ➤ **Klinisch-Neurowissenschaftliches Kolloquium**

**24.01.** 17:00 University Hospital Leipzig, House 4: Meeting room "Justus von Liebig", Liebigstraße 20, 04103 Leipzig

**Dr Nicolai Franzmeier**, Institute for Stroke and Dementia Research, University Hospital, LMU Munich

„Mechanismen der Tau-Ausbreitung bei Alzheimer und primären Tauopathien“.

[https://www.uniklinikum-leipzig.de/veranstaltungen/Seiten/Veranstaltung\\_5884.aspx](https://www.uniklinikum-leipzig.de/veranstaltungen/Seiten/Veranstaltung_5884.aspx)

**30.01.** 17:00 University Hospital Leipzig, House 4: Meeting room "Justus von Liebig", Liebigstraße 20, 04103 Leipzig

**Prof David Y. Hwang, MD**, Department of Neurology, School of Medicine, University of North Carolina, Chapel Hill, NC, USA

„Outcome Prognostication for Intracerebral Hemorrhage Patients: Guidelines and Future Directions“.

[https://www.uniklinikum-leipzig.de/veranstaltungen/Seiten/Veranstaltung\\_6215.aspx](https://www.uniklinikum-leipzig.de/veranstaltungen/Seiten/Veranstaltung_6215.aspx)

### ➤ **BILL Seminar Series**

**01.02.** 17:00 Kleiner Hörsaal, Institute of Biology, Faculty of Life Sciences, Talstr. 33, 04103 Leipzig

**Prof Dr Carmen Nussbaum-Krammer**, Department of Anatomy II - Neuroanatomy, Ludwig Maximilian University of Munich

“Prion-Like Spreading of Protein Misfolding in Neurodegenerative Diseases: From the Ambivalent Role of Molecular Chaperones to other Cellular Mechanisms”.

<https://www.uni-leipzig.de/en/event-detail/event/prion-like-spreading-of-protein-misfolding-in-neurodegenerative-diseases>

### ➤ **Cognitive Neurology Lecture**

**09.02.** 13:00 hybrid, online & MPI CBS, Wilhelm Wundt Room (A400),  
Stephanstraße 1A, 04103 Leipzig

**Dr Marvin Petersen**, Department of Neurology, Head and Neurocenter,  
University Clinic Hamburg-Eppendorf, Germany

“Brain imaging and neuropsychological assessment of individuals recovered from a mild to moderate SARS-CoV-2 infection: Insights from the Hamburg City Health Study Covid Programme”.

<https://www.cbs.mpg.de/events/36393/338738>

## News

### ➤ **Brain Dynamics Open Lab Day**

Members of the Research Group Simon at the Carl Ludwig Institute of Physiology will introduce their research and demonstrate three cutting-edge techniques used in investigating spinal and cerebellar neuronal circuits.

<https://www.uni-leipzig.de/en/brain-dynamics/graduate-school-brain-dynamics/news-events/newsdetail/artikel/open-lab-research-group-simon-2024-01-08>

### ➤ **Use of habitat for agricultural purposes puts primate infants at risk**

Results of a long-term collaboration between Universiti Sains Malaysia (USM), the German Centre for Integrative Biodiversity Research (iDiv), Leipzig University, and the Max Planck Institute for Evolutionary Anthropology (MPI EVA) led by Prof Dr Anja Widdig now published in ‘Current Biology’:

<https://www.uni-leipzig.de/en/newsdetail/artikel/landwirtschaftliche-nutzung-von-natuumrlichen-lebensraum-lumen-gefaumlhrdet-junge-primaten-2024-01-08>

## New members

We welcome four new doctoral students and two new supervisors to the Brain Dynamics family:

### ➤ **Lea Maria Dropmann**

Research Group Jais, Helmholtz Institute for Metabolic, Obesity and Vascular Research (HI-MAG) of the Helmholtz Zentrum München at the University of Leipzig and University Hospital Leipzig

Research project: “Molecular characterisation of hypothalamic galanin neurons”

<https://www.helmholtz-munich.de/en/hi-mag/research-groups/yig-diet-induced-metabolic-alterations>

➤ **Zofia Hołubowska**

Research Group Schönwiesner, Institute of Biology, Faculty of Life Sciences

Research project: “Differences and commonalities in syntax processing in music and language”

<https://www.lw.uni-leipzig.de/en/institut-fuer-biologie/abteilungen/general-zoology-and-neurobiology/team>

➤ **Seyed-Alireza Moein Alsadat**

Research Group Bergner, Department of Neurology, Faculty of Medicine

Research project: “Loss of homeostatic microglia cells as driver of axonal pathology in transplantable hereditary leukodystrophies”

<https://www.uniklinikum-leipzig.de/einrichtungen/neurologie/unser-team>

➤ **Iron Weichard**

Research Group Hallermann, Carl Ludwig Institute of Physiology, Faculty of Medicine

Research project: “Presynaptic mechanisms of long-term potentiation at rat neocortical synapses”

<https://physiologie.medizin.uni-leipzig.de/?en,id48>

## Latest publications

➤ Brain Dynamics doctoral candidate **Vincent Richter** and research groups **Langenhan / Blanco-Redondo / Ljaschenko / Thum / Scholz / Hildebrand**

The adhesion G-protein-coupled receptor mayo/CG11318 controls midgut development in *Drosophila*.

Vieira Contreras F, Auger GM, Müller L, Richter V, Huetteroth W, Seufert F, Hildebrand PW, Scholz N, Thum AS, Ljaschenko D, Blanco-Redondo B, Langenhan T. Cell Rep. 2024 Jan 4; 43(1): 113640. doi: 10.1016/j.celrep.2023.113640.

➤ Research group **Hartwigsen**

A touching advantage: cross-modal stop-signals improve reactive response inhibition.

Friehs MA, Schmalbrock P, Merz S, Dechant M, Hartwigsen G, Frings C.  
Exp Brain Res. 2024 Jan 16. doi: 10.1007/s00221-023-06767-7.

➤ Research group **Stassart**

Schwann Cells as Orchestrators of Nerve Repair: Implications for Tissue Regeneration and Pathologies.

Stassart RM, Gomez-Sanchez JA, Lloyd AC.  
Cold Spring Harb Perspect Biol. 2024 Jan 10: a041363. doi: 10.1101/cshperspect.a041363.

➤ Research group **Tal**

Analysis of vascular disruption in zebrafish embryos as an endpoint to predict developmental toxicity.

Nöth J, Busch W, Tal T, Lai C, Ambekar A, Kießling TR, Scholz S.  
Arch Toxicol. 2024 Feb; 98(2): 537-549. doi: 10.1007/s00204-023-03633-x.

➤ Research group **Widdig**

Agricultural habitat use affects infant survivorship in an endangered macaque species.

Holzner A, Mohd Rameli NIA, Ruppert N, Widdig A.  
Curr Biol. 2024 Jan 5: S0960-9822(23)01657-3. doi: 10.1016/j.cub.2023.12.002.