

Brain Dynamics Graduate School



Newsletter – February ‘24

*Let us know if you have an announcement, upcoming event, new publication or job posting!
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Events

- **Brain Dynamics Seminar Series**

01.03. 12:00 Paul Flechsig Institute - Center of Neuropathology and Brain Research, Room 3093, Liebigstraße 19 (Haus C), 04103 Leipzig

Dr Nicole Scholz, Rudolf Schönheimer Institute of Biochemistry, Faculty of Medicine, University Leipzig

“Adhesion GPCR-mediated signaling across cells”.

15.03. 12:00 Paul Flechsig Institute - Center of Neuropathology and Brain Research, Room 3093, Liebigstraße 19 (Haus C), 04103 Leipzig

Dr Falk Eippert, Max Planck Research Group Pain Perception, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig

“Non-invasive approaches to study human spinal cord function”.

<https://www.uni-leipzig.de/en/brain-dynamics/graduate-school-brain-dynamics/news-events#c621679>

- **Leipzig School of Psychosocial Health**

06.03. 17:00 online

Prof Dr Steffi Riedel-Heller, MPH, Institute of Social Medicine, Occupational Health and Public Health, Faculty of Medicine, University Leipzig

“Ist Arbeit gesund?”.

https://www.uniklinikum-leipzig.de/veranstaltungen/Seiten/Veranstaltung_6079.aspx

- **Guest lecture at the MPI CBS**

13.03. 10:30 MPI CBS, Charlotte Buehler Room (C402), Stephanstraße 1A, 04103 Leipzig

Dr Christoph Aigner, Department of Biomedical Magnetic Resonance, Physikalisch-Technische Bundesanstalt, Berlin

“Exploring the Human Heart and Spinal Cord at 7T: Navigating Challenges, Embracing Opportunities”.

<https://www.cbs.mpg.de/events/36805/338738>

- **MPSCog Cognition Colloquium**

18.03. 16:00 online

Prof Dr Christian F. Doeller, Department of Psychology, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig

“Structuring experience in cognitive spaces”.

<https://www.cbs.mpg.de/events/36353/338738>

News

- **The 12th European Conference on Clinical Neuroimaging in Leipzig on March 25-27**

The prefinal program of the ECCN is online. The early bird registration period ends on February 22nd:

<https://www.euroccn.com/>

- **Congratulations to Dr Alessandro Braga**

The latest Brain Dynamics Graduate School member to obtain Dr. rer. nat. title, Alessandro Braga defended his doctoral thesis "An EEG Investigation of Sound Source Elevation Processing and Prediction in Mice" at the Faculty of Life Sciences:

<https://www.uni-leipzig.de/en/brain-dynamics/graduate-school-brain-dynamics/news-events/newsdetail/artikel/congratulations-to-dr-alessandro-braga-2024-02-20>

- **Roland Ernst Research Prize for Brain Dynamics member Dr Mar Bosch Queralt**

As part of the Research Festival of Life Sciences at the Medical Faculty of the University of Leipzig on January 18th, the Roland Ernst Foundation for Health

Care awarded the Research Prize for the fourth time. The prize is awarded every two years to young scientists in Saxony for outstanding scientific achievements:

<https://roland-ernst-stiftung.com/roland-ernst-stiftung/roland-ernst-forschungspreis/>

New members

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

➤ **Vivien Barchet**

Research Group Hartwigsen, Cognitive and Biological Psychology, Wilhelm Wundt Institute for Psychology, Faculty of Life Sciences & Lise Meitner Research Group Cognition and Plasticity, Max Planck Institute for Human Cognitive and Brain Sciences

Research project: “Neural Plasticity in the Human Language System”

<https://www.cbs.mpg.de/person/barchet/1020986>

➤ **Longsheng Liao**

Research Group 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

Research project: “Neurovascular dysfunction in Alzheimer’s disease”

<https://www.helmholtz-munich.de/en/hi-mag/research-groups/yig-vascular-epigenetics>

Latest publications

➤ Brain Dynamics doctoral candidate **Frederike Svensson** and research group **Exner**

Dyadic coping and illness adjustment after stroke: A longitudinal prospective study.

Svensson F, Zwick S, Exner C, Doering BK.

Rehabil Psychol. 2024 Feb 15. doi: 10.1037/rep0000548.

➤ Brain Dynamics postdoc **Anika Lüttig** and research group **Richter**

Short-term stimulations of the entopeduncular nucleus induce cerebellar changes of c-Fos expression in an animal model of paroxysmal dystonia.

Lüttig A, Perl S, Zetsche M, Richter F, Franz D, Heerdegen M, Köhling R, Richter A.
Brain Res. 2024 Jan 15; 1823:148672. doi: 10.1016/j.brainres.2023.148672.

➤ Research groups **Friederici / Weiskopf / Gunz / Morawski**

Brain structure and function: a multidisciplinary pipeline to study hominoid brain evolution.

Friederici AD, Wittig RM, Anwander A, Eichner C, Gräßle T, Jäger C, Kirilina E, Lipp I, Dux A, Edwards LJ, Girard-Buttoz C, Jauch A, Kopp KS, Paquette M, Pine KJ, Unwin S, Haun DBM, Leendertz FH, McElreath R, Morawski M, Gunz P, Weiskopf N, Crockford C; EBC Consortium.
Front Integr Neurosci. 2024 Jan 8; 17:1299087. doi: 10.3389/fnint.2023.1299087.

➤ Research group **Schröger**

Conditional deviant repetition in the oddball paradigm modulates processing at the level of P3a but not MMN.

Coy N, Bendixen A, Grimm S, Roeber U, Schröger E.
Psychophysiology. 2024 Feb 17; e14545. doi: 10.1111/psyp.14545.

➤ Research group **Valk**

Whole-brain structural connectome asymmetry in autism.

Yoo S, Jang Y, Hong SJ, Park H, Valk SL, Bernhardt BC, Park BY.
Neuroimage. 2024 Feb 8; 120534. doi: 10.1016/j.neuroimage.2024.120534.

➤ Research group **White**

Precursors and Effects of Self-reported Parental Reflective Functioning: Links to Parental Attachment Representations and Behavioral Sensitivity.

Kunl MT, Gabler S, White LO, Spangler G, Vrticka P.
Child Psychiatry Hum Dev. 2024 Feb 7. doi: 10.1007/s10578-023-01654-2.

➤ Research group **Widdig**

Orangutan males make increased use of social learning opportunities, when resource availability is high.

Mörchen J, Luhn F, Wassmer O, Kunz JA, Kulik L, van Noordwijk MA, Rianti P, Rahmaeti T, Utami Atmoko SS, Widdig A, Schuppli C.
iScience. 2024 Jan 18; 27(2): 108940. doi: 10.1016/j.isci.2024.108940.