

# Brain Dynamics Graduate School



## Newsletter – June ‘23

\*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).  
To subscribe, or change your existing subscription, please visit:  
<https://lists.uni-leipzig.de/mailman/listinfo/neuroscience>

## Events

- **Mind Meeting**

**15.06.** 14:30 hybrid, online & MPI CBS, Lecture Hall (C101), Stephanstraße 1A, 04103 Leipzig

**Prof. Erie D. Boorman**, Center for Mind and Brain & Department of Psychology, University of California, Davis, USA

“Cognitive maps, cognitive demands, and inference”.

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

- **Guest lecture organized by the Carl Ludwig Institute of Physiology**

**20.06.** 14:00 Kleiner Hörsaal, Institute of Biology, Faculty of Life Sciences, Talstr. 33, 04103 Leipzig

**Dr. Alberto Catanese**, Institute of Anatomy and Cell Biology, Medical Faculty, Ulm University

„Synaptic alteration in ALS: a commonly shared pathological feature across the disease spectrum“

<https://www.uni-leipzig.de/en/brain-dynamics/graduate-school-brain-dynamics/news-events/newsdetail/artikel/synaptic-alteration-in-als-a-commonly-shared-pathological-feature-across-the-disease-spectrum-2023-06-20>

- **Language Circle Seminar**

**21.06.** 13:00 hybrid, online & MPI CBS, Wilhelm Wundt Room (A400), Stephanstraße 1A, 04103 Leipzig

**Dr. Benedikt Zoefel**, CNRS, Brain and Cognition Research Centre, Toulouse, France

"The causal role of brain rhythms in speech processing, inferred from acoustic and electric entrainment".

<https://www.cbs.mpg.de/events/34651/338738>

- **Studium universale**

**21.06.** 19:00 Audimax-Hörsaal, Augusteum, Campus Augustusplatz, Universitätsstraße 3, 04109 Leipzig

**Prof. Martin Bogdan & Dr. Sophie Adama**, Department of Neuromorphic Information Processing, Faculty of Mathematics and Computer Science, University Leipzig

"Gehirn-Computer-Schnittstellen in der Anwendung".

<https://www.uni-leipzig.de/transfer/wissen-vermitteln/veranstaltungsreihen/studium-universale/veranstaltungsdetails-studium-universale/artikel/prof-martin-bogdan-dr-sophie-adama-gehirn-computer-schnittstellen-in-der-anwendung-2023-06-21>

- **Guest lecture at the MPI CBS**

**22.06.** 15:00 MPI CBS, Wilhelm Wundt Room (A400), Stephanstraße 1A, 04103 Leipzig

**Prof. Dr. Carsten H. Wolters**, Institute for Biomagnetism and Biosignalanalysis, University of Münster

"Individualized EEG/MEG targeted and D-CMI optimized multi-channel transcranial electric stimulation in focal epilepsy".

<https://www.cbs.mpg.de/events/34555/338738>

- **Brain Dynamics Seminar Series**

**23.06.** 12:00 online

**Prof. Dr. Rami Abou Jamra**, Institute of Human Genetics, University Hospital Leipzig

"tba".

**07.07.** 12:00 online

**Prof. Dr. Swen Hesse**, Department of Nuclear Medicine, University Hospital Leipzig

"Neuroreceptors at work: in vivo molecular imaging of neurotransmission in humans with SPECT and PET".

<https://www.uni-leipzig.de/en/brain-dynamics/graduate-school-brain-dynamics/news-events#c621683>

- **Clinical and neuroscientific colloquium (Klinisch-Neurowissenschaftliches Kolloquium)**

**28.06.** 17:00 University Hospital Leipzig, House 4: Meeting room "Justus von Liebig", Liebigstraße 20, 04103 Leipzig

**Prof. Dr. Thorsten Steiner**, Klinik für Neurologie, Klinikum Frankfurt Höchst  
„Intrazerebrale Blutung: Leitlinien und aktuelle Entwicklungen“.

[https://www.uniklinikum-leipzig.de/veranstaltungen/Seiten/Veranstaltung\\_5563.aspx](https://www.uniklinikum-leipzig.de/veranstaltungen/Seiten/Veranstaltung_5563.aspx)

**12.07.** 17:00 University Hospital Leipzig, House 4: Meeting room "Justus von Liebig", Liebigstraße 20, 04103 Leipzig

**Prof. Dr. Christian Nolte**, Department of Neurology and Experimental Neurology, Charité Universitätsmedizin Berlin

„Herz-Hirn-Interaktionen: Die TRELAS-, HEBRAS-, PRAISE-Studien“.

[https://www.uniklinikum-leipzig.de/veranstaltungen/Seiten/Veranstaltung\\_5720.aspx](https://www.uniklinikum-leipzig.de/veranstaltungen/Seiten/Veranstaltung_5720.aspx)

- **Guest lecture at the Department of Animal Physiology**

**04.07.** 10:15 Kleiner Hörsaal, Institute of Biochemistry, Faculty of Life Sciences, Brüderstr. 34, 04103 Leipzig

**Prof. Dr. Simon Sprecher**, Department of Biology, Faculty of Science and Medicine, University of Fribourg, Switzerland

„Mechanistic and evolutionary insights into the making and forgetting of memories“

<https://www.uni-leipzig.de/en/brain-dynamics/graduate-school-brain-dynamics/news-events/newsdetail/artikel/mechanistic-and-evolutionary-insights-into-the-making-and-forgetting-of-memories-2023-07-04>

## News

- **Save the date: 28.09. - Brain Dynamics Scientific Day**

The second Brain Dynamics Scientific Day will take place on Thursday, September 28th, in the seminar room of the Centre for Biotechnology and Biomedicine (BBZ), Deutscher Platz 5, 04103 Leipzig. The Scientific Day will include a series of talks by doctoral students, postdocs and PIs, poster presentations and two keynote lectures. More information and the detailed program will follow shortly.

- **The Long Night of Science**

On June 23rd, the Long Night of Science will take place at over 50 locations in the city. The opening lecture of the Nobel Prize winner Prof. Dr. Svante Pääbo “About the Neanderthals and how they live on in us” will take place in Paulinum at 17:00.

<https://www.wissen-in-leipzig.de/>

- **Connection between neuroticism and emotional experiences**

Doctoral candidate Nina Mader from the research group Personality Psychology and Psychological Assessment at the Wilhelm Wundt Institute of Psychology talks about their latest publication in ‘PNAS’:

<https://www.uni-leipzig.de/en/newsdetail/artikel/study-neurotic-people-are-more-likely-to-suffer-from-mood-swings-2023-06-07>

## New members

We welcome one new doctoral students to the Brain Dynamics family:

➤ **Nadine Nowag**

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

Research project: "The role of ethanol in *Drosophila melanogaster* larvae "

<https://www.lw.uni-leipzig.de/institut-fuer-biologie/abteilungen/genetik/prof-thum-verhaltensneurogenetik#c429903>

## Open position

- **Open PhD position in the research group Scholz**

The laboratory of Dr. Nicole Scholz at the Rudolf Schönheimer Institute of Biochemistry, University Leipzig is offering a PhD position in adhesion GPCR research funded by the German Federal Ministry of Education and Research. (f/m/d)

## Latest publications

### ➤ Research groups **Ehmann** / **Kittel**

Homeostatic synaptic plasticity rescues neural coding reliability.

Rozenfeld E, Ehmann N, Manoim JE, Kittel RJ, Parnas M.  
Nat Commun. 2023 May 24;14(1):2993. doi: 10.1038/s41467-023-38575-6.

### ➤ Research group **Grosse Wiesmann**

An initial but receding altercentric bias in preverbal infants' memory.

Manea V, Kamps D, Grosse Wiesmann C, Revencu B, Southgate V.  
Proc Biol Sci. 2023 Jun 14;290(2000):20230738. doi: 10.1098/rspb.2023.0738.

### ➤ Research group **Hirrlinger**

In the mouse cortex, oligodendrocytes regain a plastic capacity, transforming into astrocytes after acute injury.

Bai X, Zhao N, Koupourtidou C, Fang LP, Schwarz V, Caudal LC, Zhao R, Hirrlinger J, Walz W, Bian S, Huang W, Ninkovic J, Kirchhoff F, Scheller A.  
Dev Cell. 2023 May 18;S1534-5807(23)00192-2. doi: 10.1016/j.devcel.2023.04.016.

### ➤ Research groups **Köhler** / **Barthel** / **Claßen** / **Sabri**

Case report: Treatment of advanced CSF1-receptor associated leukoencephalopathy with hematopoietic stem cell transplant.

Bergner CG, Schäfer L, Vucinic V, Schetschorke B, Lier J, Scherlach C, Rullmann M, Sabri O, Classen J, Platzbecker U, Kühl JS, Barthel H, Köhler W, Franke GN.  
Front Neurol. 2023 May 24; 14:1163107. doi: 10.3389/fneur.2023.1163107.

### ➤ Research group **Stassart**

Myelin dysfunction drives amyloid- $\beta$  deposition in models of Alzheimer's disease.

Depp C, Sun T, Sasmita AO, Spieth L, Berghoff SA, Nazarenko T, Overhoff K, Steixner-Kumar AA, Subramanian S, Arinrad S, Ruhwedel T, Möbius W, Göbbels S, Saher G, Werner HB, Damkou A, Zampar S, Wirths O, Thalmann M, Simons M, Saito T, Saido T, Krueger-Burg D, Kawaguchi R, Willem M, Haass C, Geschwind D, Ehrenreich H, Stassart R, Nave KA.  
Nature. 2023 Jun;618(7964):349-357. doi: 10.1038/s41586-023-06120-6.