

Berlin Neuroscience Meeting

October 16 - 17, 2025
GLS Campus Berlin

Program

The Berlin Neuroscience Meeting is committed to ensuring a welcoming, respectful, and inclusive atmosphere to foster open and collaborative scientific exchange. By participating in this event, you agree to abide by these principles.

Program

Thursday, October 16, 2025

9:30 – 10:00 Arrival & Registration

10:00 – 10:15 Opening Aula

10:15 – 11:15 **Einstein Lecture I** Aula

Gut feelings: The microbiome as a regulator of brain and behaviour across the lifespan

John F. Cryan | *University College Cork, Ireland*

The importance of interoception and dietary restraint for weight loss in obesity

Stefania Polzin | *German Institute for Human Nutrition (DIfE), Potsdam*

11:15 – 11:30 Short Break Lounge

11:30 – 13:00 **Scientific Talks – Panel I** Aula

Chair: Stefania Polzin/Beatrix Keweloh

TBA

Beatrix Keweloh | *German Institute for Human Nutrition (DIfE), Potsdam*

A gut-brain-gut neural circuit loop gates sugar ingestion in *Drosophila*

Xinyue Cui | *Charité – Universitätsmedizin Berlin*

ORP2: A cholesterol transporter regulating neurotransmitter release in the context of synaptic cholesterol levels

Marion Weber-Boyvat | *Charité – Universitätsmedizin Berlin*

Medial preoptic PNOc neurons constrain brown adipose tissue thermogenesis and energy expenditure

Adel Ben-Kraiem | *Helmholtz Center Munich*

13:00 – 14:15 Lunch Break

Lounge

14:15 – 15:45 **Scientific Talks – Panel II**

Aula

Chair: Linda Kokwaro

Functional coupling of presynaptic remodeling and intrinsic plasticity preserve resilience in the aging brain

Stephan Sigrist | *Freie Universität Berlin*

The interleukin-12 signaling pathway as a driver of Alzheimer's disease and its impact on neurons and oligodendrocytes

Maria Geesdorf | *Charité – Universitätsmedizin Berlin*

Reverse engineering Lewy body-like structures by phase separation of alpha-synuclein

Christian Hoffmann | *German Center for Neurodegenerative Diseases (DZNE), Berlin*

The interplay of semantic memory and executive functions across the adult lifespan: Multimodal perspectives

Sandra Martin | *Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig*

15:45 – 16:00 Short Break

Lounge

16:00 – 17:00 **Einstein Lecture II**

Aula

Hidden pages between the covers of prion protein: Experimental infection, epidemiology, latency and innate immunity

Laura Manuelidis | *Yale School of Medicine, New Haven, Connecticut, USA*

Diving into the synapse: Phase separation, actin cytoskeleton and synaptic vesicle clusters

Akshita Chhabra | *German Center for Neurodegenerative Diseases (DZNE), Berlin*

17:00 – 18:00 Break

Lounge

18:00 – 19:30 Poster Session I

Aula

Program

Friday, October 17, 2025

9:00 – 09:30 Arrival

9:30 – 10:30 **Einstein Lecture III**

Aula

Non-invasive access to functional retinal activity

Maciej Wojtkowski | *International Center for Translational Eye Research (ICTER), Warsaw, Poland*

Challenges of big data in neuroimaging:
Harmonizing retrospective datasets to
investigate cognitive decline

Janice Ngiam | **Fiona O'Donovan** | *Charité –
Universitätsmedizin Berlin*

10:30 – 10:45 Short Break

Lounge

10:45 – 12:15 **Scientific Talks – Panel III**

Aula

Chair: Fiona O'Donovan

Deletion of the X gene Kdm6a in microglia
reverses the disease-associated microglia
transcriptome

Rhonda Voskuhl | *University of California Los
Angeles (UCLA), USA*

Focus on glia cells: New gene therapeutic
approaches for retinal degeneration

Antje Grosche | *Ludwig-Maximilians-Universität
München (LMU)*

Towards antibody-omics: From monoclonal antibodies to antigen-specific therapies

Momsen Reincke | *Charité –
Universitätsmedizin Berlin*

Piccolo regulates secretion of extracellular matrix components Brevican and Tenascin R from astrocytes to drive synapse formation

Frauke Ackermann | *German Center for
Neurodegenerative Diseases (DZNE), Berlin*

12:15 – 13:30 Lunch Break

Lounge

13:30 – 14:30 **Einstein Lecture IV**

Aula

Transfer RNA fragments: Molecular regulators of neurodegeneration and stress

Hermona Soreq | *The Hebrew University of
Jerusalem, Israel*

Using an ODE model to separate rest and task signals in fMRI

Amrit Kashyap | *Charité – Universitätsmedizin
Berlin*

14:30 – 14:45 Short Break

Lounge

14:45 – 16:15 **Scientific Talks – Panel IV**

Aula

Chair: Amrit Kashyap

Neural basis of resilience to social stress

Sarah Ayash | *Charité – Universitätsmedizin
Berlin*

Closed-loop brain stimulation as a treatment for Alzheimer's Disease

Julian Keil | *Charité – Universitätsmedizin Berlin, University of Potsdam*

Membrane biophysics to systems neuroscience: How proteins and membranes regulate neurotransmission and network dynamics

Agata Witkowska | *Leibniz Research Institute for Molecular Pharmacology (FMP), Berlin*

Ancestral genes in modern brains: How evolutionary adaptations and modern environments influence neuroinflammation

Omar Angelo Ibrahim | *Charité – Universitätsmedizin Berlin*

16:15 – 17:15	Coffee Break	Lounge
17:15 – 18:45	Poster Session II	Aula
18:00 – 19:00	Medical Neurosciences MSc Graduation Ceremony	Bibliothek
18:45 – 19:00	Poster Award & Closing Remarks	Aula
from 19:00	Party	Restaurant <i>Oderberger</i>

Conference Chairs

Dragomir Milovanovic

German Center for
Neurodegenerative Diseases (DZNE),
Berlin

Soyoung Q Park

German Institute for Human Nutrition
(DIfE), Potsdam

Petra Ritter

Charité – Universitätsmedizin Berlin

Olaf Strauß

Charité – Universitätsmedizin Berlin

Panel Chairs

Amrit Kashyap

Charité – Universitätsmedizin Berlin

Linda Kokwaro

Charité – Universitätsmedizin Berlin

Fiona O'Donovan

Charité – Universitätsmedizin Berlin

Stefania Polzin

German Institute for Human Nutrition
(DIfE), Potsdam

Speakers

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German Center for
Neurodegenerative Diseases (DZNE),
Berlin

Sarah Ayash

Charité – Universitätsmedizin Berlin

Adel Ben-Kraiem

Helmholtz Center Munich

Akshita Chhabra

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John F. Cryan

University College Cork, Ireland

Xinyue Cui

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Antje Grosche

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Julian Keil

Charité – Universitätsmedizin Berlin
University of Potsdam

Beatrix Keweloh

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Laura Manuelidis

Yale School of Medicine, New Haven, Connecticut, USA

Sandra Martin

Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig

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Fiona O'Donovan

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Stephan Sigrist

Freie Universität Berlin

Hermona Soreq

The Hebrew University of Jerusalem, Israel

Rhonda Voskuhl

University of California Los Angeles (UCLA), USA

Marion Weber-Boyvat

Charité – Universitätsmedizin Berlin

Agata Witkowska

Leibniz Research Institute for Molecular Pharmacology (FMP), Berlin

Maciej Wojtkowski

International Center for Translational Eye Research (ICTER), Warsaw, Poland

Venue

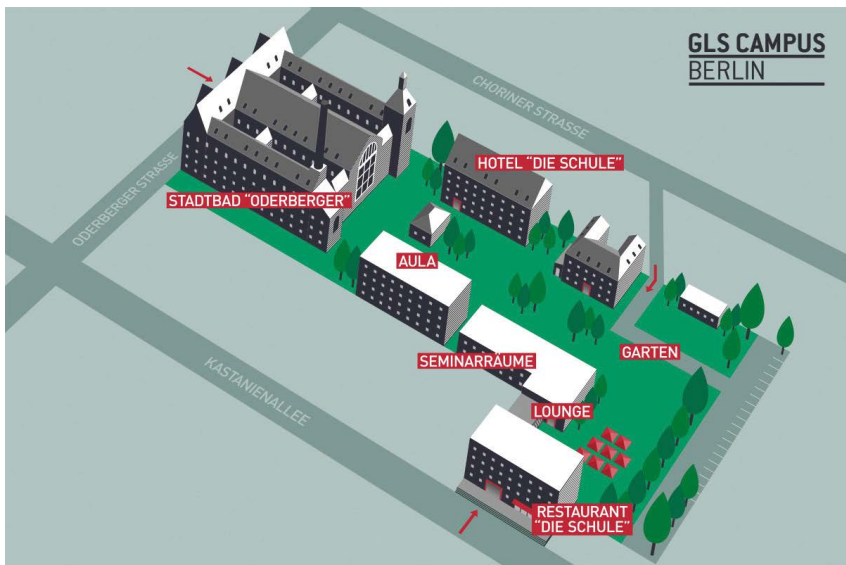
Thursday, October 16 & Friday, October 17, 2025

Lounge and Aula at GLS Campus Berlin

Kastanienallee 82, 10435 Berlin

Childcare: Room 111

Nearest underground stations are U2 Eberswalder Str. and U8 Rosenthaler Platz.



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