BNM 2025
BERLIN NEUROSCIENCE MEETING

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.

EINSTEIN CENTER Neurosciences

NeuroCure
Cluster of Excellence

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

Neuro-metabolic pathways of high-protein meal reducing food craving
Min Pu | *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
Alexander Jais | *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 role of microglial CD22 in an Alzheimer‘s disease model
Marina Jendrach | *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 adaptions 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 *Oderberger*

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

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University of Potsdam

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Yale School of Medicine, New Haven, Connecticut, USA

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Marion Weber-Boyvat
Charité – Universitätsmedizin Berlin

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

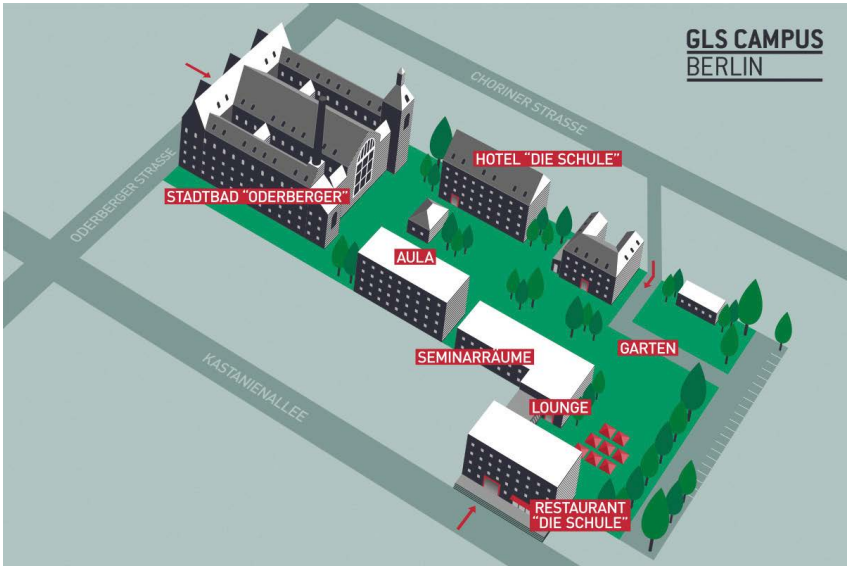
Maciej Wojtkowski
International Center for Translational Eye Research (ICTER), Warsaw, Poland

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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