

Berlin Neuroscience Meeting

October 16 - 17, 2025
GLS Campus Berlin

Program

Program

Thursday, October 16, 2025

9:15 – 9:30	Opening	Aula
9:30 – 10:45	Einstein Lecture I Gut feelings: The microbiome as a regulator of brain and behaviour across the lifespan John F. Cryan <i>University College Cork, Ireland</i> The importance of interoception and dietary restraint for weight loss in obesity Stefania Polzin <i>German Institute for Human Nutrition (DIfE), Potsdam</i>	Aula
10:45 – 11:30	Coffee Break	Lounge
11:30 – 13:00	Scientific Talks – Panel I Neuro-metabolic pathways of high-protein meal reducing food craving Min Pu <i>German Institute for Human Nutrition (DIfE), Potsdam</i> A gut-brain-gut neural circuit loop gates sugar ingestion in Drosophila Xinyue Cui <i>Charité – Universitätsmedizin Berlin</i>	Aula

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 – 15:30	Scientific Talks – Panel II Functional coupling of presynaptic remodeling and intrinsic plasticity preserve resilience in the aging brain Stephan Sigrist <i>Freie Universität Berlin</i> The interplay of semantic memory and executive functions across the adult lifespan: Multimodal perspectives Sandra Martin <i>Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig</i> Reverse engineering Lewy body-like structures by phase separation of alpha-synuclein Christian Hoffmann <i>German Center for Neurodegenerative Diseases (DZNE), Berlin</i>	Aula

15:45 – 17:15 **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*

17:15 – 18:15 Coffee Break

Lounge

18:15 – 20:00 Poster I

Aula

Program

Friday, October 17, 2025

9:15 – 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 – 11:15 Coffee Break

Lounge

11:15 – 12:45 **Scientific Talks – Panel III**

Aula

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*

12:45 – 14:00 Lunch Break

Lounge

14:00 – 15:15 **Einstein Lecture IV**

Aula

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

Amrit Kashyap | *Charité – Universitätsmedizin Berlin*

15:30 – 17:00 **Scientific Talks – Panel IV**

Aula

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*

17:00 – 18:00 Coffee Break

Lounge

18:00 – 19:45 Poster II

Aula

19:30 – 20:00 Medical Neurosciences MSc Graduation Ceremony*

Bibliothek

19:45 – 20:00 Closing Remarks*

Aula

from 20:00 Party

Restaurant
Oderberger

*parallel sessions

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

Speakers

Frauke Ackermann

German Center for
Neurodegenerative Diseases (DZNE),
Berlin

Sarah Ayash

Charité – Universitätsmedizin Berlin

Akshita Chhabra

German Center for
Neurodegenerative Diseases (DZNE),
Berlin

John F. Cryan

University College Cork, Ireland

Xinyue Cui

Charité – Universitätsmedizin Berlin

Antje Grosche

Ludwig-Maximilians-Universität Mün-
chen (LMU)

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Julian Keil

Charité – Universitätsmedizin Berlin
University of Potsdam

Laura Manuelidis

Yale School of Medicine, New Haven,
Connecticut, USA

Speakers

Sandra Martin

Max Planck Institute for Human
Cognitive and Brain Sciences, Leipzig

Janice Ngiam

Charité – Universitätsmedizin Berlin

Fiona O'Donovan

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Stefania Polzin

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(DIfE), Potsdam

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Stephan Sigrist

Freie Universität Berlin

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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

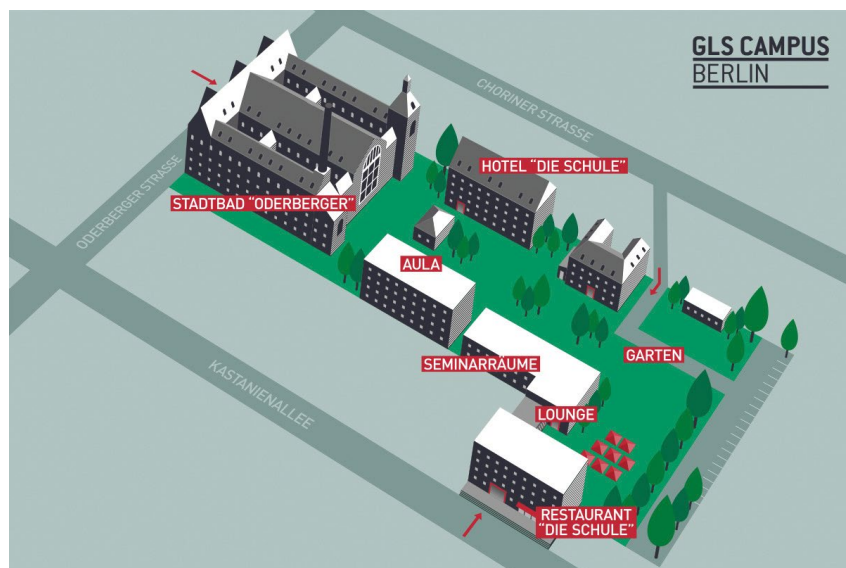
International Center for Translational
Eye Research (ICTER), Warsaw, Poland

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.



Einstein Center for Neurosciences Berlin

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