

Berlin Neuroscience Meeting

October 16 - 17, 2025
GLS Campus Berlin

Program

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 Edmond and Lily Safra
Center of brain science and the life sciences
Institute, 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
18:45 – 19:00	Poster Award & Closing Remarks	Aula
from 19:00	Party	Restaurant <i>Oderberger</i>
19:30 – 20:00	Medical Neurosciences MSc Graduation Ceremony	Bibliothek

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

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)

Christian Hoffmann

German Center for
Neurodegenerative Diseases (DZNE),
Berlin

Speakers

Omar Angelo Ibrahim

Charité – Universitätsmedizin Berlin

Alexander Jais

Helmholtz Center Munich

Marina Jendrach

Charité – Universitätsmedizin Berlin

Amrit Kashyap

Charité – Universitätsmedizin Berlin

Julian Keil

Charité – Universitätsmedizin Berlin
University of Potsdam

Laura Manuelidis

Yale School of Medicine, New Haven,
Connecticut, USA

Sandra Martin

Max Planck Institute for Human
Cognitive and Brain Sciences, Leipzig

Janice Ngiam

Charité – Universitätsmedizin Berlin

Fiona O'Donovan

Charité – Universitätsmedizin Berlin

Stefania Polzin

German Institute for Human Nutrition
(DIfE), Potsdam

Min Pu

German Institute for Human Nutrition
(DIfE), Potsdam

Momsen Reincke

Charité – Universitätsmedizin Berlin

Stephan Sigrist

Freie Universität Berlin

Hermona Soreq

The Edmond and Lily Safra Center of
brain science and the life sciences
Institute, 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

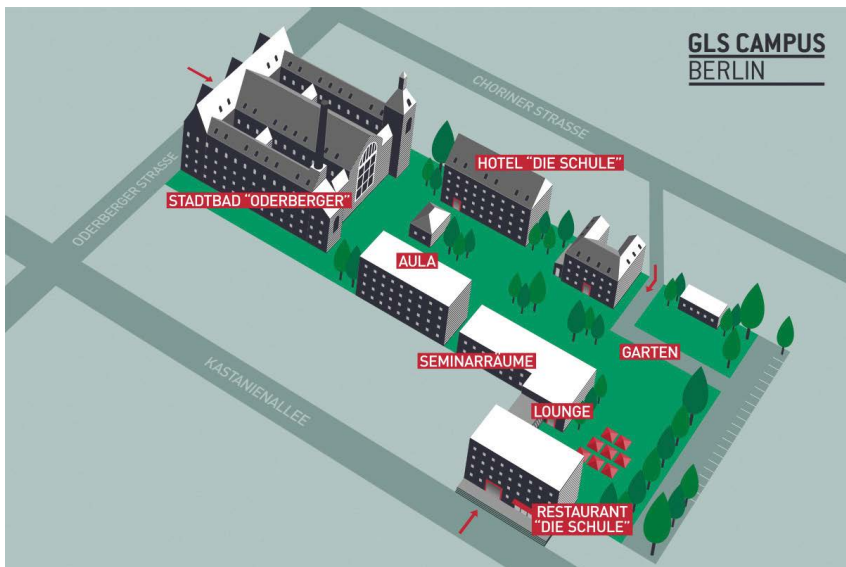
International Center for Translational
Eye Research (ICTER), Warsaw, Poland

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.



Einstein Center for Neurosciences Berlin

Postal Address:

Einstein Center for Neurosciences Berlin
Charité – Universitätsmedizin Berlin
Charitéplatz 1 | D-10117 Berlin
Fax: +49 (0)30 450 539 970
E-Mail: info@ecn-berlin.de

Campus Address:

Neuroscience Research Center
Hufelandweg 14

www.ecn-berlin.de