

23

THE TWENTY-THIRD EIBSEE MEETING

CELLULAR MECHANISMS OF NEURODEGENERATION

October 22-24, 2025

Keynote speakers

D. Selkoe (Brigham and Women's Hospital, Boston)
C. Cruchaga (Washington University, St. Louis)

International speakers

D. Gate (Northwestern University, Chicago)
A. Gitler (Stanford University)
C. Glass (University of California, San Diego)
E. Johnson (Emory University, Atlanta)
A. Keller (University Hospital Zurich)
E. McDade (Washington University School of Medicine, St. Louis)
R. Rademakers (VIB Center University of Antwerp)
B. Tijms (UMC Amsterdam)

Young Investigator Keynote speakers

S. Marzi (UK DRI at King's College London)
X. Taylor (Eli Lilly and Company, Indianapolis)

National speakers

M. Dichgans, J. Levin, A. Liesz, J. Niewöhner,
A. Schneider, J. Schultze, S. Wegmann, Q. Zhou

Organized by

J. Neher (DZNE & University of Munich, LMU)

The 23rd Eibsee Meeting
(October 22-24, 2025)

CELLULAR MECHANISMS OF NEURODEGENERATION

organized and funded by the

DZNE, German Center for Neurodegenerative Diseases - Munich

SyNergy - Munich Cluster for Systems Neurology

The Hans and Ilse Breuer Foundation

organizer

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<http://eibsee.web.med.uni-muenchen.de/index.html>

Location



Travelling

By train: Take the train to Garmisch-Partenkirchen (via Munich). In Garmisch, please take a taxi to the hotel (about 15-20 min drive).

Alternative: From Munich ZOB, take the **FlixBus** to Garmisch-Partenkirchen (1h 15 min) and then take a taxi.

By plane: From Munich airport, take the **FlixBus** (recommended variant to Garmisch-Partenkirchen (2h 10 min), and from here, take a taxi to the Hotel.

Alternative: Take the S-Bahn to Munich Central Station (Hauptbahnhof Hbf) from Munich airport. At the Central station, take the train to Garmisch-Partenkirchen (about one hour and 50 minutes); from here, take a taxi to the hotel.

By car: From Munich, take the highway to Garmisch. In Garmisch, follow the signs to Eibsee. The hotel is at the end of the road at the foot of the Zugspitze. It takes approximately one hour and 20 minutes.

Weather

It is fall, and it might be cold already. For those who want to go for a walk, please bring your hiking boots.

Acknowledgements

We greatly appreciate funding of the Eibsee Meeting by the Hans and Ilse Breuer Foundation, the German Center for Neurodegenerative Diseases (DZNE) and SyNergy - Munich Cluster for Systems Neurology.

PROGRAM

Wednesday, October 22

12:00 The traditional “scientific walk” around the lake (if weather permits, we’ll meet in the lobby)

15:00 Welcome
Jonas Neher, DZNE and LMU Munich, Germany

15:05 – 15:45 Keynote Lecture I
Chair: Christian Haass

Dennis Selkoe, Brigham and Women’s Hospital, Harvard Medical School, Boston, USA
Successes and Challenges for the Amyloid Hypothesis after 22 Eibsee Meetings

15:45 – 16:45 Topic I – AD therapies
Chair: Christian Haass

15:45 – 16:05 Jens Niewöhner, Roche Pharmaceutical Research and Early Development, Penzberg, Germany
A Brainshuttle™ antibody for the treatment of Alzheimer’s Disease

16:05 – 16:25 Eric McDade, Washington University School of Medicine, St. Louis, USA
Non-amyloid beta biomarker changes associated with Abeta plaque reduction

16:25 – 16:45 Johannes Levin, Hospital of the LMU Munich, Germany
Mixed Neurodegenerative Pathologies: Clinic, causes and consequences

16:45 – 17:15 Coffee Break

17:15 – 18:15 Special topic I: Epigenetic mechanisms
Chair: Jonas Neher

17:15 – 17:45 **Young Investigator Keynote Lecture I**
Sarah Marzi, UK DRI at King’s College London, UK
Epigenetic regulation of glial cells in Alzheimer’s disease

17:45 – 18:15 Christopher Glass, University of California, San Diego, USA
Epigenetics of TREM2 signaling

18:15 Cocktails

19:00 Dinner

Thursday, October 23

09:00 – 10:40 Topic II – Immune mechanisms
Chair: Qihui Zhou

09:00 – 09:20 Martin Dichgans, University Hospital of Munich, LMU, Germany
A Mechanism link between Endothelial Dysfunction and Neurodegeneration in SVD

- 09:20 – 09:40 David Gate, Northwestern University, Chicago, USA
Molecular approaches to study Alzheimer's neuroimmunology
- 09:40 – 10:00 Arthur Liesz, University Hospital of Munich, LMU, Germany
Microglial cholesterol overload impairs post-stroke recovery
- 10:00 – 10:20 Susanne Wegmann, German Center for Neurodegenerative Diseases, Berlin, Germany
Mechanisms of IgLON5 Autoimmune Tauopathy
- 10:20 – 10:40 Annika Keller, University Hospital Zurich, Switzerland
Novel Insights: Microglia's Role in Limiting Vascular and Parenchymal Calcification

10:40 – 11:10 Coffee Break

11:10 – 12:10 Special Topic II: FTD-ALS

Chair: Dieter Edbauer

- 11:10 – 11:30 Rosa Rademakers, VIB Center University of Antwerp, Belgium
The power of genetics in sporadic FTD: A repeat expansion that challenges traditional models
- 11:30 – 11:50 Qihui Zhou, German Center for Neurodegenerative Diseases, Munich, Germany
Preclinical therapy development targeting protein aggregation and neuroinflammation in C9orf72 ALS/FTD
- 11:50 – 12:10 Aaron Gitler, Stanford University, Stanford, USA
Defining ALS mechanisms at single cell resolution

12:15 – 13:30 Lunch

13:30 – 15:00 Time for recreation

15:00 – 16:00 SyNergy Young Scientists Session

Chair: Martin Dichgans

- 15:00 – 15:15 Simon Lindner, University Hospital of Munich, LMU, Germany
TREM2 PET: From preclinical development to clinical application
- 15:15 – 15:30 Lena Spieth, German Center for Neurodegenerative Diseases, Munich, Germany
Selective immunotherapy against aggregated APOE4 mitigates amyloidosis
- 15:30 – 15:45 Safal Walia, Helmholtz Munich, Germany
Assessing molecular signatures of ALS severity and progression by multi-omics analyses
- 15:45– 16:00 Lis de Weerd, German Center for Neurodegenerative Diseases, Munich, Germany
Early intervention anti-A β immunotherapy attenuates microglial activation without inducing exhaustion at residual plaques

16:00 – 16:30 Coffee Break

16:30 – 16:50 DZNE: Strategic and Scientific Outlook

Joachim Schultze, Designated Scientific Director, German Center for Neurodegenerative Diseases, Bonn, Germany

Flash talks (selected poster presentations)

Chair: Anna-Sophia Wahl

- 16:50 – 17:00 Five two-minute talks with one slide

Presentation of the Best Paper Award winners of the Hans and Ilse Breuer Foundation

Chair: Katja Bär

17:00 – 17:20 Three two-minute presentations of the award winners

17:20 – 17:30 Award ceremony

18:00 Dinner

19:30 Poster session (with free drinks)

Friday, October 24

9:00 – 9:40 Keynote Lecture II

Chair: Michael Ewers

Carlos Cruchaga, Washington University, St. Louis, USA
Multi-omic integration in Alzheimer's disease: novel therapies and biomarkers

9:40 – 10:10 Young Investigator Keynote Lecture II

Chair: Jonas Neher

Xavier Taylor, Eli Lilly and Company, Indianapolis, USA
Investigating the Cascade of Immunological and Vascular Events in Amyloid Immunotherapy

10:10 – 10:40 Coffee Break

10:40 – 11:40 Topic III – Biomarkers and disease mechanisms

Chair: Michael Ewers

10:40 – 11:00 Erik C.B. Johnson, Emory University, Atlanta, USA
Using Proteomics to Reveal New Drug Targets and Biomarkers for Alzheimer's Disease

11:00 – 11:20 Betty Tijms, UMC Amsterdam, The Netherlands
Pathophysiological heterogeneity in neurodegenerative diseases

11:20 – 11:40 Anja Schneider, German Center for Neurodegenerative Diseases, Bonn, Germany
Fluid biomarkers in FTD

12:00 – 14:00 Lunch

14:00 Departure

19:00 Dinner

for participants staying until Saturday, October 25