

# 20

THE TWENTIETH EIBSEE MEETING

# CELLULAR MECHANISMS OF NEURODEGENERATION

October 26 - 28, 2022

## Keynote speakers

M. Götz (Helmholtz Zentrum, Munich)  
U. Hartl (Max Planck Institute of Biochemistry, Munich)  
B. Stevens (Harvard Medical School, Boston)

## International speakers

M. Citron (UCB Biopharma, Brussels)  
Ph. De Jager (Columbia University Irving Medical Centre, New York)  
A. Goate (Icahn School of Medicine at Mount Sinai, New York)  
D. Holtzman (Washington University, St. Louis)  
C. Iadecola (Weill Cornell Medicine, New York)  
M. Kampmann (University of California, San Francisco)  
K. Monroe (Denali Therapeutics, San Francisco)  
A. Schaefer (Icahn School of Medicine at Mount Sinai, New York)  
D. Selkoe (Harvard Medical School, Boston)  
P. St. George-Hyslop (University of Toronto)  
R. Tanzi (Harvard Medical School, Boston)

## Farewell speaker

K. Beyreuther (University of Heidelberg)

## National speakers

L. Burbulla, S. Jäkel, E-M. Mandelkow,  
E. Mandelkow, J. Neher, D. Paquet, J. Schultze

## Organized by

C. Haass (DZNE & University of Munich)

The 20th Eibsee Meeting  
(October 26-28, 2022)

## **CELLULAR MECHANISMS OF NEURODEGENERATION**

organized and funded by the

DZNE, German Center for Neurodegenerative Diseases - Munich

SyNergy - Munich Cluster for Systems Neurology

The Hans und Ilse Breuer Foundation

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organizer

Christian Haass

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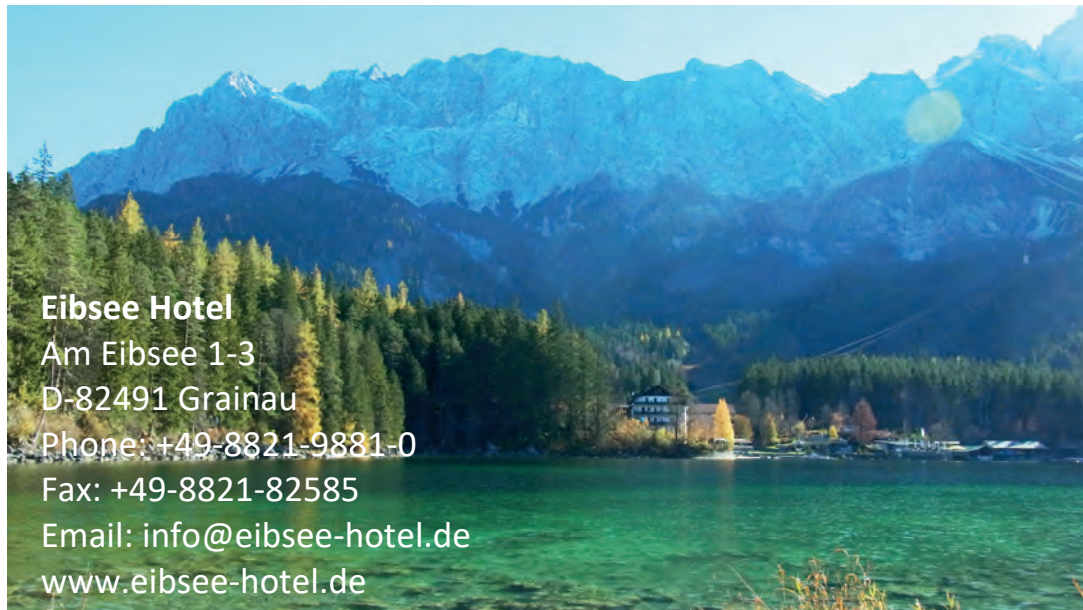
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## Location



### Important info about Covid-19 rules

For participants we have to follow strict regulations regarding Covid-19:  
Proof of a complete corona vaccination  
(Vaccination pass or digital) is obligatory

## Travelling

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

**by plane:** From Munich airport take the S-Bahn to Munich Central station. At the central station take the train to Garmisch (about 1 hr); 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 right at the foot of the Zugspitze.

## Weather

Even though it is spring, it might still get cold. For those who like to go on 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

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**Wednesday, October 26**

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

**15:00** **Welcome: 20 years of Eibsee Meeting**  
Christian Haass, DZNE and University of Munich, Germany

**15:10 – 15:50** **Keynote Lecture I**  
*Chair: Christian Haass*

Beth Stevens, Harvard Medical School, Boston, USA  
To be determined

**15:50 – 17:30** **Topic I - 20 years of Eibsee Meeting – special guests**  
*Chair: Jörg Schulz*

15:50 – 16:10 Dennis Selkoe, Harvard Medical School, Boston, USA  
Mechanistic and diagnostic advances in the era of anti-amyloid therapeutics

16:10 – 16:30 Peter St. George-Hyslop, University of Toronto, Canada  
To be determined

16:30 – 16:50 Martin Citron, UCB Biopharma, Brussels, Belgium  
From mechanistic hypothesis to drug development in neurodegeneration (preliminary title)

16:50 – 17:10 Rudolph Tanzi, Harvard Medical School, Boston, USA  
Role of innate immunity in Alzheimer Disease

17:10 – 17:30 Eva-Maria & Eckhard Mandelkow, DZNE Bonn, Germany  
To be determined (preliminary title)

*17:30 Reception with “Bavarian Beer & Music” at the terrace of the sea pavilion*

*19:00 Eibsee 20 anniversary dinner*

*Special guest “The Amyloid Man”*

*Presentation of the*

*Best Paper Award by the Hans & Ilse Breuer Foundation*

**Thursday, October 27**

**9:00 – 9:40** **Keynote Lecture II**  
*Chair: Sabine Liebscher*

Magdalena Götz, Helmholtz Zentrum Munich, Germany  
Mechanisms of neurogenesis and neuronal replacement

**9:40 – 11:20** **Topic II - Non-neuronal contributions in neurodegeneration**  
*Chair: Martin Kerschensteiner*

9:40 – 10:00 Sarah Jäkel, Institute for Stroke and Dementia Research, Munich, Germany  
Oligodendrocyte heterogeneity and neurodegeneration: is there a link?

*10:00 – 10:40 Coffee Break*

- 10:40 – 11:00 Joachim Schultze, DZNE Bonn, Germany  
Deciphering neurodegeneration, cell by cell (preliminary title)
- 11:00 – 11:20 Kathryn Monroe, Denali Therapeutics Inc., South San Francisco, USA  
Human genetics indicate novel therapeutic approaches for modulating microglia activity for Alzheimer's Disease

**Presentation of the Hans and Ilse Breuer Foundation**

- 11:20 – 11:30 Katja Bär, Hans and Ilse Breuer Foundation, Frankfurt am Main, Germany

**Flash talks I (selected poster presentations)**

*Chair: Christian Haass*

- 11:30 – 11:40 Five two minutes talks with one slide

*12:00 – 13:30 Lunch*

*13:30 – 15:00 Time for a recreation*

**15:00 – 17:00 Topic II - Non-neuronal contributions in neurodegeneration (continued)**

*Chair: Thomas Misgeld*

- 15:00 – 15:20 Martin Kampmann, University of California, San Francisco, USA  
CRISPR-based functional genomics for neurodegenerative disease (preliminary title)
- 15:20 – 15:40 Costantino Iadecola, Weill Cornell Medicine, New York, USA  
Neurovascular dysfunction in neurodegeneration: innate immunity takes center stage

*15:40 – 16:20 Coffee Break*

- 16:20 – 16:40 Alison Goate, Icahn School of Medicine at Mount Sinai, New York, USA  
Human Genetics implicate efferocytosis in myeloid cells as a disease risk hub
- 16:40 – 17:00 Lena Burbulla, University of Munich, Germany  
The role of dopamine oxidation in the preferential degeneration of midbrain neurons in neurodegenerative diseases (preliminary title)

**Presentation of the NOMIS Foundation**

- 17:00 – 17:10 Markus Reinhard, NOMIS Foundation, Zurich, Switzerland

**Flash talks II (selected poster presentations)**

*Chair: Christian Haass*

- 17:10 – 17:20 Five two minutes talks with one slide

*18:00 Dinner*

**19:30 Poster session (with free drinks)**

## Friday, October 28

### 9:00 – 9:40 Keynote Lecture III

Chair: N.N.

Ulrich Hartl, Max-Planck-Institute of Biochemistry, Munich, Germany  
Molecular chaperones in protein folding and aggregation prevention

### 9:40 – 11:40 Topic III - Microglia

Chair: Martin Dichgans

9:40 – 10:00 Anne Schaefer, Icahn School of Medicine at Mount Sinai, New York, USA  
Negative feedback control of neuronal activity by microglia

10:00 – 10:20 Jonas Neher, DZNE Tuebingen, Germany  
The role of medin amyloid in age-associated cerebrovascular dysfunction and Alzheimer's disease  
(preliminary title)

*10:20 – 10:40 Coffee Break*

10:40 – 11:00 Philip De Jager, Columbia University Irving Medical Centre, New York, USA  
Resolving changes in inter-cellular communication within cortical cellular communities that are perturbed in relation to Alzheimer pathology and impaired cognition

11:00 – 11:20 Dominik Paquet, Institute for Stroke and Dementia Research, Munich, Germany  
iPSC-derived and CRISPR-edited 3D human brain tissue models to investigate neurodegenerative and neurovascular disorders

11:20 – 11:40 David Holtzman, Washington University, St. Louis, USA  
Isoform and cell specific effects of APOE on amyloid-b and on tau-mediated neurodegeneration

### 11:40 – 12:00 Farewell lecture

Chair: Christian Haass

Konrad Beyreuther, University of Heidelberg, Germany  
To be determined

*12:00 – 14:00 Lunch*

*14:00 Departure*

*for participants staying until Saturday, October 29*