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THE TWENTIETH EIBSEE MEETING ON CELLULAR MECHANISMS OF NEURODEGENERATION

DECEMBER 16-18, 2020

key note speakers

I. Amit (Weizmann Institute of Science, Israel)
M. Götz (Helmholtz Zentrum, Munich)
U. Hartl (Max-Planck-Institute for Biochemistry)

brain prize lecture

A. Joutel (Institute of Psychiatry and Neuroscience, Paris)

international speakers

M. Citron (UCB Pharma, Brussels)
C. Cochain (Universitätsklinikum Würzburg)
A. Goate (Icahn School of Medicine at Mount Sinai, New York)
D. Holtzman (Washington University, St. Louis)
C. Iadecola (Cornell University, New York)
D. Saban (Duke University, Durham)
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 University, Charlestown)

national speakers

K. Beyreuther, E. Latz, S. Liebscher,
E. M. Mandelkow, E. Mandelkow,
J. Neher, D. Paquet

organized by

Christian Haass (DZNE & University of Munich)

The 20th Eibsee Meeting
(December 16-18, 2020)

CELLULAR MECHANISMS OF NEURODEGENERATION

organized and funded by the

DZNE, German Center of Neurodegenerative Diseases - Munich

SyNergy, Munich Cluster for Systems Neurology

The Hans und Ilse Breuer Foundation

organizer:

Christian Haass

DZNE, German Center for Neurodegenerative Diseases - Munich,
Ludwig-Maximilians-University Munich and
SyNergy, Munich Cluster for Systems Neurology
Feodor-Lynen-Str. 17, 81377 Munich
Germany

Phone: +49-89-4400-46549

Fax: +49-89-4400-46546

e-mail: christian.haass@mail03.med.uni-muenchen.de

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

Location



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

It is winter and it will be cold already. 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

Wednesday, December 16, 2020

- 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
Ido Amit, Weizmann Institute of Science, Rehovot, Israel
To be determined
- 15:50 – 16:50** **Topic I Myeloid cells in the periphery and CNS**
Chair: Martin Dichgans
- 15:50 – 16:10 Anne Schaefer, Icahn School of Medicine at Mount Sinai, New York, USA
Negative feedback control of neuronal activity by microglia
- 16:10 – 16:30 Jonas Neher, DZNE and University of Tübingen, Germany
Epigenetic and metabolic reprogramming of microglia in Alzheimer’s disease (preliminary title)
- 16:30 – 16:50 Daniel R. Saban, Duke University School of Medicine, Durham, USA
The retina as a model to study microglia in the neurodegenerative disease context

*17:15 Traditional Christmas reception with “Glühwein & Bavarian Beer & Music” at the terrace of the sea pavilion
18:30 Eibsee 20 special dinner (special guest “The Amyloid Man“)*

Thursday, December 17

- 9:00 – 9:40** **Keynote Lecture II**
Chair: Sabine Liebscher
Magdalena Götz, University of Munich, Germany
Towards neuronal replacement – new concepts and approaches (preliminary title)
- 9:40 – 11:20 **Topic I continued Myeloid cells in the periphery and CNS**
Chair: Martin Kerschensteiner
- 9:40 – 10:00 Clement Cochain, Universitätsklinikum Würzburg, Germany
Role of TREM2 in macrophage function in cardiovascular inflammation (preliminary title)
- 10:00 – 10:40 Coffee Break*
- 10:40 – 11:00 Eike Latz, DZNE Bonn, Germany
To be determined
- 11:00 – 11:20 Kate Monroe, Denali Therapeutics Inc., South San Francisco, USA
To be determined
- Presentation of the Hans and Ilse Breuer Foundation**
11:20 – 11:30 Katja Bär, Hans and Ilse Breuer Foundation, Frankfurt a. Main, Germany

Flash talks I (Poster presentations from guest scientists)

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 walk around the lake

15:00 – 17:30 Topic II Risk factors for neurological disorders

15:00 – 15:30 Brain Prize Lecture

Chair: Arthur Konnerth

Anne Joutel, Institute of Psychiatry and Neuroscience, INSERM, Paris, France
To be determined

Chair: Thomas Misgeld

15:30 – 15:50 David Holtzman, Washington University, St Louis, USA
Microglia drive neurodegeneration and mediate the effect of astrocyte apoE on brain injury in a mouse model of tauopathy (preliminary title)

15:50 – 16:10 Costantino Iadecola, Cornell University, New York, USA
Neurovascular bases of neurodegeneration (preliminary title)

16:10 – 16:50 Coffee Break

16:50 – 17:10 Alison Goate, Icahn School of Medicine at Mount Sinai, New York, USA
Genetics implicates microglial function in Alzheimer's disease risk (preliminary title)

17:10 – 17:30 Dominik Paquet, University Hospital, Munich, Germany
iPSC-derived and CRISPR-edited 3D human brain tissue models to investigate neurodegenerative and neurovascular disorders (preliminary title)

Presentation of the Nomis Foundation

17:30 – 17:40 Markus Reinhard, Nomis Foundation, Zurich, Switzerland

Flash talks II (Poster presentations from SyNergy scientists)

Chair: Christian Haass

17:40 – 17:50 Five two minute talks with one slide

18:00 Dinner

19:30 Posters from SyNergy Tandem Projects and guest scientists (with free drinks)

Friday, December 18

9:00 – 9:40 Keynote Lecture III

Chair: Pierluigi Nicotera

Ulrich Hartl, Max-Planck-Institute for Biochemistry, Munich, Germany
Chaperone functions in protein folding and proteome maintenance (preliminary title)

9:40 – 12:20 Topic III 20 years of Eibsee Meeting – special guests

Chair: Jörg Schultz

9:40 – 10:00 Peter St. George-Hyslop, University of Toronto, Canada
To be determined

10:00 – 10:20 Eva-Maria & Eckhard Mandelkow, DZNE Bonn, Germany
50 years of tau research

10:20 – 11:00 Coffee Break

- 11:00 – 11:20 Dennis Selkoe, Harvard Medical School, Boston, USA
New insights into APP and synuclein processing predict therapeutic advances in Alzheimer's and Parkinson's diseases (preliminary title)
- 11:20 – 11:40 Rudolph Tanzi, Harvard Medical School, Boston, USA
To be determined
- 11:40 – 12:20 Martin Citron, UCB Pharma, Brussels, Belgium
Update on treatment approaches for neurodegeneration – the challenge of translation (preliminary title)

Farewell lecture

Chair: Christian Haass

- 12:20 – 12:40 Konrad Beyreuther, University of Heidelberg, Germany
Alzheimer's disease – gut feelings
- 12:40 – 12:55 Peter Breuer, Best paper award of the Hans und Ilse Breuer Foundation, Frankfurt a. Main, Germany

13:00 – 14:00 Lunch

14:00 Departure