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THE NINETEENTH EIBSEE MEETING ON
**CELLULAR MECHANISMS OF
NEURODEGENERATION**

November 6-8, 2019

key note speakers:

J. Collinge (University College, London)
M. Goedert (MRC Laboratory of Molecular Biology, Cambridge)
P. Nicotera (DZNE Bonn)
P. Saftig (University of Kiel)

national speakers:

C. Behrends, M. Brendel, M. Jucker,
M. Kerschensteiner, T. Misgeld,
A. Schulz, M. Simons, S. Tahirovic

international speakers:

M. Blurton-Jones (University of California, Irvine)
S. Cotman (Harvard Medical School, Boston)
J. Hooker (Harvard Medical School, Boston)
F. Hu (Cornell University, Ithaca)
J. Lewcock (Denali Therapeutics Inc., South San Francisco)
E. McDade (Washington University, St. Louis)
R. Puertollano-Moro (National Institutes of Health, Bethesda)
J. Schlachetzki (University of California, San Diego)

organized by:

C. Haass (DZNE & University of Munich)



Deutsche
Forschungsgemeinschaft



**The 19th Eibsee Meeting
(November 6-8, 2019)**

**CELLULAR MECHANISMS OF
NEURODEGENERATION**

funded by the

DZNE, German Center of Neurodegenerative Diseases - Munich

SyNergy, Munich Cluster for Systems Neurology

The Hans und Ilse Breuer Foundation

NCL-Foundation

organized by:

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 fall and it may 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), SyNergy - Munich Cluster for Systems Neurology and the NCL Foundation.



PROGRAM

Wednesday, November 6, 2019

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

15:00 **Welcome** (Christian Haass)

15:10 – 15:50 **Keynote Lecture I**

Chair: Christian Haass

Paul Saftig, University of Kiel, Germany

Understanding lysosomes, understanding neurodegeneration?

15:50 – 17:50 **Lysosomes and other organelles I**

Chair:

15:50 – 16:10 Angela Schulz, University of Hamburg, Germany

To be determined

16:10 – 16:50 Coffee Break

16:50 – 17:10 Susan Cotman, Harvard Medical School, Boston, USA
To be determined

17:10 – 17:30 Fenghua Hu, Cornell University, Ithaca, USA
Lysosomal dysfunction in FTL

17:30 – 17:50 Rosa Puertollano-Moro, National Institutes of Health, Bethesda, USA
Mechanisms of lysosomal response to stress

18:00 Cocktails

18:30 Dinner

Thursday, November 7

9:00 – 9:40 **Keynote Lecture II**

Chair:

Michel Goedert, MRC Laboratory of Molecular Biology, Cambridge, UK

Tau filament conformers

9:40 – 11:20 **Lysosomes and other organelles II**

Chair:

9:40 – 10:00 Christian Behrends, University of Munich, Germany

To be determined

10:00 – 10:40 Coffee Break

10:40 – 11:00 Sabina Tahirovic, DZNE Munich, Germany
Early microglial pathology in Niemann-Pick type C disease

11:00 – 11:20 Thomas Misgeld, Technical University of Munich, Germany
Mitochondrial dynamics and diversity in the nervous system

Presentation of the NCL Foundation

11:20 – 11:30 Frank Stehr, NCL Foundation, Hamburg, Germany
For a future without childhood dementia

Flash talks I (Poster presentation)

Chair:

11:30 – 11:40 Five two minute talks with one slide

12:00 – 13:30 Lunch

13:30 – 15:00 Time for a walk around the lake

15:00 – 17:20 Glial cells in neurodegeneration I

Chair:

15:00 – 15:20 Joe Lewcock, Denali Therapeutics Inc., South San Francisco, USA
Therapeutic strategies for the treatment of Alzheimer's disease based on human genetics

15:20 – 15:40 Mathew Blurton-Jones, University of California, Irvine, USA
Using iPSC-microglia and chimeric mouse models to study the function of Alzheimer's Disease risk genes

15:40 – 16:00 Johannes Schlachetzki, University of California, San Diego, USA
The epigenetic landscape of human microglia in health and neurodegeneration

16:00 – 16:40 Coffee Break

16:40 – 17:00 Mikael Simons, DZNE Munich, Germany
How glia promote neuronal survival

17:00 – 17:20 Martin Kerschensteiner, University of Munich, Germany
Regulation of phagocyte phenotypes during CNS inflammation

Flash talks II (Poster presentations)

Chair:

17:20 – 17:30 Five two minute talks with one slide (selected from poster abstracts)

18:00 Dinner

19:30 Poster Session with Drinks

Friday, November 8

9:00 – 9:40 Keynote Lecture III

Chair:

John Collinge, University College London, UK
Is Alzheimer's infectious?

9:40 – 11:40 Biomarkers and imaging

Chair:

9:40 – 10:00 Mathias Jucker, University & DZNE Tübingen, Germany
Targeting proteopathic seeds in Alzheimer's disease

10:00 – 10:40 Coffee Break

10:40 – 11:00 Eric MacDade, Washington University, St. Louis, USA
Using neuroimaging and soluble tau to track the tauopathy of Autosomal Dominant Alzheimer disease

11:00 – 11:20 Jacob Hooker, Harvard Medical School, Boston, USA
To be determined

11:20 – 11:40 Mathias Brendel, University of Munich, Germany
To be determined

Farewell lecture

Chair:

11:40 – 12:00 Pierluigi Nicotera, DZNE Bonn, Germany
Alzheimer therapy – where we are and where we go

12:00 – 13:00 Lunch

13:00 Departure

19:00 Dinner for participants staying until Saturday, November 9