

Program: Meeting of the GBM Study Group „Molecular Neurobiology“

„Dynamics of the Nervous System in Health and Disease “

20.9. – 22. 9 . 2018, Marburg

Organisers (in alphabetical order):

J.W. Bartsch, R. Brandt, H.G. Breiteringer, T. Hucho, S. Kins, S. Lichtenthaler, M. Rust

Thursday, September 20, 2018

from 13:30 – 14:30 Registration

14:30	Opening
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**Session I: Cytoskeletal dynamics in brain development and neuronal Plasticity
(Chair: Marco Rust)**

15:00 - 15:30 Dr. Pirta Hotulainen, Minerva Foundation Institute for Medical Research, Helsinki, Finland
Actin in synaptic plasticity and learning

15:30 – 16:00 Dr. Kristin Michaelsen-Preusse, Zoological Institute,
Braunschweig University, Germany
*Local translation of actin binding proteins in the fragile x
syndrome*

16:00 – 16:30	Coffee Break
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16:30 – 17:00 Dr. Elena Marcello, Dept. of Pharmacological and Biomolecular Sciences, Milan University, Italy
ADAM10 and actin: an inner dialogue in the frame of the spine

17:00 – 17:15 Oral Presentation 1 (selected from Abstracts)

17:15 – 17:30 Oral Presentation 2 (selected from Abstracts)

17:30 – 18:00 Business Meeting (SG Molecular Neurobiology)

Dinner (Buffet)

19:30	Milos Pekny (Fürstensaal im Landgrafenschloss) Title tbc
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20:30 Get together

Friday, September 21, 2018

**Session II: Molecular Mechanisms of Neurodegeneration and Neuroinflammation
(Chairs: Stefan Kins, Roland Brandt)**

9:00 – 9:30	Lucia Chavez-Gutierrez, KU Leuven, Belgium Title tbc
9:30 – 10:00	Michael Heneka, DZNE and University of Bonn <i>Innate Immunity in Alzheimer's disease</i>
10:00 – 10:15	Oral Presentation 1 (selected from Abstracts)
10:15 – 10:45	Coffee Break
10:45 – 11:00	Oral Presentation 2 (selected from Abstracts)
11:00 – 11:30	Graziella Cappelletti, University of Milan <i>Microtubule dysfunction in Parkinson's disease: from pure protein to human brain</i>
11:30 – 12:00	Markus Morawski, University of Leipzig Title tbc
12:00 – 12:15	Oral Presentation 3 (selected from Abstracts)
12:30 – 15:00	Lunch and Poster Viewing

**Session III: Neuroproteomics and Novel Methods in Molecular Neuroscience
(Chair Stefan Lichtenthaler)**

15:00 – 15:30	Stefan Lichtenthaler, DZNE and Technical University Munich <i>Neuroproteomics for understanding and treating Alzheimer's disease</i>
15:30 – 16:00	Ali Ertürk, ISD and LMU Munich <i>Disease mechanisms in transparent mice</i>
16:00 – 16:15	Oral Presentation 1 (selected from Abstracts)
16:15 – 16:30	Oral Presentation 2 (selected from Abstracts)
16:30 – 17:00	Coffee Break
17:00 – 17:30	Dominik Paquet, ISD and LMU Munich <i>Investigating neurodegenerative and neurovascular diseases in CRISPR-edited stem-cell derived human brain cells</i>

17:30 – 17:45	Oral Presentation 3 (selected from Abstracts)
17:45 – 18:15	Barbara Treutlein, Leipzig Title tbc
18:15 – 18:45	Dr. Silvia Cappello, Max-Planck-Institute for Psychiatry, München, Germany <i>Molecular and cellular mechanisms regulating human neurogenesis</i>
19:00	Dinner
21:00	Night Sightseeing (German and English)

Saturday, September 22, 2018

Session IV: Molecular Mechanisms of Signal Reception in Molecular Neuroscience (Chairs: Jörg W. Bartsch, Hans-Georg Breiting, Tim Hucho)

9:00 – 9:30	Dominik Oliver, Marburg Title tbc
9:30 – 10:00	Carmen Villmann, Würzburg Title tbc
10:00 – 10:15	Oral Presentation 1 (selected from Abstracts)
10:15 – 10:30	Oral Presentation 2 (selected from Abstracts)
10:30 – 11:00	Coffee Break
11:00 – 11:15	Oral Presentation 3 (selected from Abstracts)
11:15 – 11:45	Hanns Ulrich Zeilhofer, Zürich <i>Investigating spinal sensory circuits through intersectional gene manipulation</i>
11:45 – 12:00	Closing remarks, End of Meeting