



## International Symposium September 9 - 11, 2024

Venue:  
Dorint Herrenkrug Parkhotel Magdeburg  
Herrenkrug 3  
39114 Magdeburg

09.09.2024

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|---------------|--|
| 13:00 - 13:50 | Light refreshments   |
| 13:50 - 14:00 | Welcome and Introduction   |
|               | 25 minutes presentation, 10 minutes discussion   |
| 14:00 - 15:45 | Session 1<br>Robin Hiesinger - Autophagy in synapse formation and brain wiring<br>Natalia Kononenko - Spatial Regulation of Neuronal Metabolism by Autophagy<br>Sandra Soukup - Untangling synaptic autophagy pathways to improve brain health   |
| 15:45 - 16:15 | Coffee break + Postersession   |
| 16:15 - 18:00 | Session 2<br>Tassula Proikas-Cezanne - Human WIPI $\beta$ -propeller function in autophagy and neurodegeneration<br>Andrea K. Stavoe - Differential Regulation of Neuronal Autophagy by WIPI2/ATG-18 Phosphorylation<br>Ivan Dikic - ER-phagy prevents development of neuropathologies |
| 18:00 - 19:30 | Postersession  |
| 19:30 - 21:00 | Dinner   |
| 21:00 - 22:00 | Postersession  |

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| 09:00 - 10:45 | Session 3<br>Reinhard Jahn - Crosstalk between synaptic vesicle recycling and autophagocytosis?<br>Vassiliki Nikolettou - Exploring the diverse substrates of brain autophagic vesicles<br>Nils Gassen - Neurohomeostasis under Stress: the Crosstalk of Systemic Metabolism and Autophagy in Stress-Related Diseases                         |
| 10:45 - 11:15 | Coffee break  |
| 11:15 - 13:00 | Session 4<br>Marina Mikhaylova - Synaptic control of secretory organelle localisation<br>Volker Haucke - Control of synaptic function by the autophagy/ endolysosome system<br>Christian Hübner - Destressing the ER by ER-phagy  |
| 13:00 - 14:30 | Lunch break   |
| 14:30 - 16:15 | Session 5<br>Silvio Rizzoli - Recycling dynamics of the neuro-glia extracellular matrix<br>Paul Saftig - Proteolysis in the endocytic pathway and at the cell surface are important regulators of neurological functions<br>Zu-Hang Sheng - Energy matters: Reprogramming presynaptic metabolism for the maintenance of synaptic transmission |
| 16:15 - 16:45 | Coffee break + Postersession  |
| 16:45 - 18:30 | Session 6<br>Maria Andres-Alonso / Michael R. Kreutz - Amphisome biogenesis couples synaptic autophagy to local protein synthesis<br>Ralph Nixon - Protein biosynthesis and turnover in synapses in vivo<br>Short talk - TBA<br>Short talk - TBA  |
| 18:30 - 19:30 | Postersession   |
| 19:30 - 21:00 | Dinner  |

21:00 Jazz Concert

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09:00 - 10:45 Session 7  
Patrik Verstreken - Targeting Tau in Dementia  
Stephan Sigrist - Cell autonomous and non-autonomous coupling of presynaptic plasticity and autophagy  
Clarissa Waites - Mechanisms of ESCRT pathway transport and recruitment to synapses

10:45 - 11:15 Coffee break

11:15 - 13:00 Session 8  
Janine Kirstein - Synaptic proteostasis challenges with aging  
Sandra Maday - Lysosomal pathways in synaptic signaling between neurons and astrocytes  
Dominic Winter - One lysosome to rule them all? A proteomic view on lysosomal heterogeneity.

13:00 Lunch and departure