



ReALity

Shaping the Proteostasis Network Mainz (PNM)

The 1st PNM-Workshop on

“Proteostasis Research in Health, Aging & Disease” – 23 February 2023

9:00 – 9:10	Opening Remarks by Helle Ulrich & Christian Behl – Workshop Aims & Questions
Session 1 – Dynamics of Protein Quality Control & Ubiquitination — Chair: Christian Behl	
9:10 – 9:20	Anton Khmelinskii: <i>“Proteome organization and dynamics”</i>
9:20 – 9:30	Petra Beli: <i>“Targeted protein degradation on chromatin”</i>
9:30 – 9:40	Helle Ulrich: <i>“Manipulating the ubiquitin code”</i>
9:40 – 9:50	Dirk Schneider: <i>“Membrane proteostasis”</i>
9:50 – 10:00	Stefan Tenzer: <i>“High-resolution proteomics and immunopeptidomics to characterize proteostatic mechanisms in antigen processing and presentation”</i>
10:00 – 10:10	Speaker TBD: <i>“Session 1 Talk”</i>
10:10 – 10:30	Session 1 Discussion & Ad hoc Statements / Collaboration Opportunities
10:30 – 10:50	Coffee Break I & Networking
Session 2 – Autophagy Pathways in Proteostasis — Chair: Helle Ulrich	
10:50 – 11:00	Christian Behl: <i>“Modulators of selective macroautophagy”</i>
11:00 – 11:10	Hagen Körschgen: <i>“Co-chaperone BAG3 directly targets autophagic degradation via its LC3-interacting regions”</i>
11:10 – 11:20	Andreas Kern: <i>“Lipid and protein profiling of autophagic vesicles”</i>
11:20 – 11:30	Albrecht Clement: <i>“Endosomal-autophagic crosstalk”</i>
11:30 – 11:40	Eva Wolf: <i>“Daily regulated proteasomal degradation and autophagy mediate robust circadian timing, a prerequisite for healthy aging”</i>
11:40 – 11:50	Uwe Wolfrum: <i>“The adhesion GPCR VLGR1/ADGRV1 controls autophagy”</i>
11:50 – 12:00	Marion Silies & Carlotta Martelli: <i>“Role of autophagy pathways in mediating response to metabolic stress and age-related changes in the Drosophila nervous system”</i>
12:00 – 12:10	Speaker TBD: <i>“Session 2 Talk”</i>
12:10 – 12:30	Session 2 Discussion & Ad hoc Statements / Collaboration Opportunities
12:30 – 13:30	LUNCH Break & Networking
Session 3 – Neuronal Aspects of Protein Turnover — Chair: Edward Lemke	
13:30 – 13:40	Claire Jacob: <i>“Controlling myelinophagy in Schwann cells and oligodendrocytes to enhance axonal regeneration”</i>
13:40 – 13:50	Martin Heine: <i>“Turnover of calcium channels within the presynaptic membrane”</i>
13:50 – 14:00	Jakob von Engelhardt: <i>“CKAMP59, a novel regulator of AMPA receptor proteostasis”</i>

14:00 – 14:10	Michael Schäfer: <i>“Microglia and brain proteostasis”</i>
14:10 – 14:20	Ari Waisman: <i>“Inflammatory mediators in autoimmunity”</i>
14:20 – 14:30	Helen May-Simera: <i>“Molecular mechanisms underlying ciliopathies”</i>
14:30 14:40	Speaker TBD: <i>“Session 3 Talk”</i>
14:40 – 15:00	Session 3 Discussion & Ad hoc Statements / Collaboration Opportunities
15:00 – 15:20	Coffee Break II & Networking
Session 4 – Methods & Mechanisms linked to Protein Disorders – Chair: Petra Beli	
15:20 – 15:30	Kristina Endres: <i>“ADAM10 – more than the good guy in Alzheimer’s disease”</i>
15:30 – 15:40	Susann Schweiger & Oliver Tüscher: <i>“Dysbalance between translation and degradation leads to an overload of aberrant protein in Huntington’s Disease”</i>
15:40 – 15:50	Miguel Andrade: <i>“Evolutionary and network study of homorepeats and disorder to predict their function and disfunction”</i>
15:50 – 16:00	Dorothee Dormann: <i>“Quality control of phase separating RNA-binding proteins linked to neurodegenerative disorders”</i>
16:00 – 16:10	Lukas Stelzl: <i>“Dysregulation of phase separation: Towards understanding homeostatic mechanisms in computer simulations”</i>
16:10 – 16:20	Edward Lemke: <i>“Decoding molecular plasticity in the dark proteome”</i>
16:20 – 16:30	Katja Luck: <i>“Towards systematic discovery of protein interaction interfaces involving disorder”</i>
16:30 – 16:40	Speaker TBD: <i>“Session 4 Talk”</i>
16:40 – 17:00	Session 4 Discussion & Ad hoc Statements / Collaboration Opportunities
17:00 – 17:40	Workshop wrap-up discussion, future opportunities & closing remarks

Venue:

Alte Mensa, Atrium maximum (right side)

