



Ulm Meeting – Biophysics of Amyloid Formation

8th March 2017, Ulm University

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- 09:00** **Roland Winter** | TU Dortmund | Fibrillogenesis of Amyloidogenic Peptides – The Effects of Crowding, Membranes, Cosolvents, Temperature and Pressure
- 09:30** **Alexander K. Büll** | Düsseldorf University | The aggregation mechanism of alpha-synuclein
- 09:50** **Jan Bieschke** | Washington University, St. Louis, USA
Membrane-assisted aggregation precedes neuronal uptake of amyloid-beta peptide
- 10:20** **Jinghui, Luo** | Oxford University, UK
Single-pore studies of amyloid protein in droplet interface bilayer
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- 10:40** **Postersession I and coffee**
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- 11:20** **Aphrodite Kapurniotu** | TU Munich
Cross-amyloid interaction surface mimics as inhibitors of amyloid self-assembly
- 11:50** **Erich Wanker** | Max Delbrück Center for Molecular Medicine, Berlin
New concepts and methods to detect amyloid seeding in protein misfolding diseases
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- 12:20** **Lunch**
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- 13:20** **Bernd Reif** | TU Munich | NMR spectroscopic investigations of amyloid aggregates
- 13:50** **William Close** | Ulm University
Physical basis and prediction of the polymorphism of light chain peptide fibrils
- 14:10** **Jochen Balbach** | Martin-Luther-University Halle-Wittenberg
Functional amyloids formed by the human parathyroid hormone
- 14:40** **Jevgenij A. Raskatov** | University of California, Santa Cruz, USA
Enantiomers, Racemates and Amyloid Beta
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- 15:00** **Postersession II and coffee**
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- 15:40** **Johannes Buchner** | TU Munich
On the mechanism of fibril formation of antibody VL domains
- 16:10** **Wojciech Dzwolak** | University of Warsaw, Poland | Multistage binding of monomers to amyloid fibril's tip revealed by unexpected outcome of mixed seeding experiment
- 16:30** **Wolfgang Hoyer** | Heinrich-Heine-University Düsseldorf
Beta-hairpin motifs of amyloidogenic intrinsically disordered proteins
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- 17:00** **Closing remarks and end of the meeting**
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