

08:30 - 09:00 Put up posters

09:00 - 09:10	Welcome and overview Research Area B - <b>Roland Winter</b>
<b>Chair: Simon Ebbinghaus</b>	
09:10 - 09:30	<b>Michael Senske</b> <i>"Protein Stabilization by Macromolecular Crowding through Enthalpy rather than Entropy"</i>
09:30 - 09:50	<b>Mattias Heyden</b> <i>"Crowded Environments: Monte Carlo Simulations of 100-1000 Flexible Biopolymers in Solution"</i>
09:50 - 10:10	<b>Mirko Erilkamp</b> <i>"Intermolecular Interactions in Highly Concentrated Protein Solutions upon Compression and the Role of the Solvent"</i>
10:10 - 10:30	<b>Yao Xu</b> <i>"Water Dynamics in AOT Reverse Micelles "</i>
10:30 - 11:00	Coffee break
<b>Chair: Roland Winter</b>	
11:00 - 11:20	<b>Sho Imoto</b> <i>"TMAO Solutions at Ambient Conditions and Beyond"</i>
11:20 - 11:40	<b>Salome Patariaia</b> <i>"Influence of Temperature, Pressure, Co-solvents and Crowding on the Structure and Stability of a Small RNA Hairpin"</i>
11:40 - 12:00	<b>Christopher Rosin</b> <i>"Cosolvent and Crowding Effects on the Polymerization Kinetics of Actin"</i>
12:00 - 12:20	<b>Anna Kupka</b> <i>"Influence on the Crystallisation Process of Amino Acids from Solutions"</i>
12:20 - 12:40	<b>Elena Decaneto</b> <i>"Influence of Co-solvents, Light Control and Metal Substitution on the Enzymatic Activity of a Metalloproteinase"</i>
12:40 - 13:45	Lunch
<b>Chair: Matthias Heyden</b>	
13:45 - 14:05	<b>Marie Holz</b> <i>„TransSOLV - from Basic to Applied Research“</i>
14:05 - 14:25	<b>Alexander Esser</b> <i>„From Glycine to Valine: Understanding THz Spectra of Biomolecular Building Blocks“</i>
14:25 - 14:45	<b>Hendrik Vondracek</b> <i>"THz Spectroscopy for the Study of Solvation under Extreme Conditions"</i>
14:45 - 15:05	<b>Felipe Conzuelo</b> <i>"Redox-Hydrogel Embedded Hydrogenase and Photosystem 1: Study of Properties and Applications"</i>
15:05 - 15:25	<b>Nicolas Plumeré</b> <i>"Electrochemical Investigations of Solvent Effect on Photosynthetic Proteins - Hydrogels vs. Protein Monolayers"</i>
15:25 - 15:55	Coffee break
<b>Chair: Christian Herrmann</b>	
15:55 - 16:15	<b>Victor Munoz</b> <i>„Computational Insights on the Impact of Organic Cosolvents in Enzyme Stability“</i>
16:15 - 16:35	<b>Fabian Klumpers</b> <i>"Solvent's Impact on Enzymatic Reactions"</i>
16:35 - 16:55	<b>Lars Schäfer</b> <i>"Molecular Thermodynamics of Trypsin - Inhibitor Binding from Computational Alchemy"</i>
16:55 - 17:15	<b>Pandian Sokkar</b> <i>"Hybrid Quantum Mechanics/Molecular Mechanics/Coarse Grained Modeling: A Triple-Resolution Approach for Biomolecular Systems"</i>
17:15 - 17:35	<b>Frank Schulz</b> <i>"Solvation Science in White Biotechnology"</i>
17:35 - 18:30	Poster session
18:30 - 20:30	Dinner, discussion

- 1 Sumit Mittal**  
*"Influence of Molecular Environment on Biological Interactions"*
  
- 2 Alexander Esser, Jian Sun, Harald Forbert, Dominik Marx**  
*"From Glycine to Valine: Understanding THz Spectra of Biomolecular Building Blocks"*
  
- 3 Sho Imoto, Harald Forbert, Dominik Marx**  
*"TMAO Solutions at Ambient Conditions and Beyond"*
  
- 4 Anna Kupka**  
*"Influence on the Crystallisation Process of Amino Acids from Solutions"*
  
- 5 Michael Dirkmann**  
*"Exploring Solvent-Enzyme Interactions"*
  
- 6 Fabian Klumpers**  
*"Protein Solvation at High Concentrations"*
  
- 7 Nadja Berger**  
*"Conformational Studies on Cyclic Model Peptides"*
  
- 8 Tatiana Vasilevskaya**  
*"Matrix Metalloproteienase-2: Modellung the Mechanism of Proteolysis"*
  
- 9 Gopal Srinivasa**  
*"Molecular Thermodynamics of Trypsin-Inhibitor Binding from Computational Alchemy"*