

08:30 - 09:00 put up posters

09:00 - 09:10	Welcome and Overview Research Area B - Roland Winter
chair: Roland Winter	
09:10 - 09:30	Martina Havenith <i>"Practical THz Spectroscopy"</i>
09:30 - 09:50	Dominik Marx <i>"Theoretical THz Spectroscopy"</i>
09:50 - 10:10	Lars Schäfer <i>"Biomolecular Simulations: RESOLVing Time- and Length-Scale Limitations"</i>
10:10 - 10:30	Elsa Sanchez Garcia <i>"A Computational Perspective of Solvated Biological Systems"</i>
10:30 - 11:00	Coffee break
chair: Dominik Marx	
11:00 - 11:20	Yao Xu <i>"Computer Simulation on Water Dynamics in Reverse Micelles"</i>
11:20 - 11:40	Christian Herrmann <i>"Calorimetric Studies on Protein/Solvent Interactions"</i>
11:40 - 12:00	Carola Hengstenberg <i>"Characterization of Solvent Effects on Protein Stability and Structure Formation"</i>
12:00 - 12:20	Hermann Weingärtner <i>"Orientational alignment in solutions of amyloidogenic proteins"</i>
12:20 - 12:40	Patrick Nürnberger <i>"Ultrafast Ligand Dynamics in Heme Proteins"</i>
12:40 - 14:10	Lunch & Poster Session
chair: Martina Havenith	
14:10 - 14:30	Wolfgang Schuhmann <i>"Mediated Electron Transfer between Hydrogenases and Specifically designed Redox Polymers"</i>
14:30 - 14:50	Frank Schulz <i>"Ex vivo Biosynthesis of Terpenes"</i>
14:50 - 15:10	Marie Holz <i>"TransSOLV - Transfer of Results from Basic Research to Applied Research"</i>
15:10 - 15:30	Anna Kupka <i>"Influence on Crystallisation Process of Amino Acids from Solution"</i>
15:30 - 15:50	Sebastian Grobelny <i>"Crowding Effects on the Temperature and Pressure Dependent Structure, Stability and Folding Kinetics of Staphylococcal Nuclease"</i>
15:50 - 16:20	Coffee break
chair: Christian Herrmann	
16:20 - 16:40	Markus Knipp <i>"Protein Dynamics in the Gas Molecule Transporter Nitrophorin"</i>
16:40 - 17:00	Elena Decaneto <i>"Cobalt Substitution in the Zinc Peptidase MT1-MMP for the Study of Protein Function Coupled to Solvent Dynamics"</i>
17:00 - 17:20	Nicolas Plumere <i>"Photostability of Solvent Exposed PS2 Monolayers"</i>
17:20 - 17:40	Janine Seeliger <i>"Macromolecular Crowding as a Suppressor of Human IAPP Fibril Formation and Cytotoxicity"</i>
17:40 - 18:00	Simon Ebbinghaus <i>"Understanding the "Native" Solvent – from Dilute Solutions into the Cell"</i>
18:00 - 18:20	Tobias Vöpel <i>"Understanding the Native Solvent - Huntingtin Aggregation"</i>
18:20 - 18:30	Closing Remarks
18:30 - 20:30	Dinner, discussion

1	Elena Decaneto <i>"Cobalt Substitution in the Zinc Peptidase MT1-MMP for the Study of Protein Function Coupled to Solvent Dynamics"</i>
2	Dominique Decka <i>"THz Spectroscopy of Solvated Aminoacids"</i>
3	V. Conti-Nibaldi, J. Dielmann, M. Grossman, M. Heyden, B. Born, D. Tworowski, I. Sagi and M. Havenith <i>"The Role of Substrate Flexibility in Enzymatic Catalysis"</i>
4	Mirko Erilkamp <i>"Distinct Dynamic Signatures of Amyloidogenic Insulin Revealed by Neutron Spin Echo"</i>
5	Mimi Gao and Janine Seeliger <i>"The Effect of Intracellular Crowding and Chaperones on Human IAPP Aggregation"</i>
6	David Gnutt <i>"Imaging Macromolecular Crowding Inside the Living Cell"</i>
7	Sebastian Grobelny <i>"Crowding Effects on the Temperature and Pressure Dependent Structure, Stability and Folding Kinetics of Staphylococcal Nuclease"</i>
8	Lukas Knake <i>"Investigation of Aqueous Trimethylamine N-oxide Solutions using Terahertz Spectroscopy"</i>
9	Markus Knipp <i>„Protein Dynamics in the Gas Molecule Transporter Nitrophorin“</i>
10	Fee Li <i>"Synthesis and Characterization of Cyclic Model Peptides"</i>
11	Harald Forbert, Jian Sun and Dominik Marx <i>"The Intra- and Inter-Molecular Vibrations of Amino Acid Solutions in the THz Frequency Range"</i>
12	Fernandez Olivia <i>„NMR Studies of Cyclic Peptides on Different Solvents“</i>
13	Janine Seeliger <i>"Macromolecular Crowding as a Suppressor of Human IAPP Fibril Formation and Cytotoxicity"</i>
14	Michael Senske <i>"Thermodynamic Effects of Different Cosolutes on the Thermal Unfolding of Ubiquitin"</i>
15	Pandian Sokkar <i>"Implementation of the Multiscale QM/MM-CG Approach in ChemShell"</i>
16	Tatiana Vasilevskaya <i>"QM/MM Studies on Matrix Metalloproteinases"</i>
17	Tobias Vöpel TBA
18	Yao Xu <i>"The Role of Sulfates on Antifreeze Protein Activity"</i>
19	Fabian Böhm <i>"Terahertz Spectroscopy of Electrolyte Solutions: Hydration of Iron(II) and Iron(III) Chloride"</i>
20	Anna Kupka <i>"Influence on Crystallisation Process of Amino Acids from Solution"</i>