Program Workshop Research Area B - 08.12.2015 RUB Conference Center

17:20 - 17:50 Coffee break & poster session



		CLUSTER OF EXCELLENCE - EXC 1069			
		Put up posters			
		Welcome and overview Research Area B - Roland Winter			
Chair: Sar	nchez-G	iarcia			
09:10 -	09:30	Berger Conformations and dynamics of small model cyclic tetrapeptides			
09:30 -	09:50	Esser Understanding hydrophobic effects in THz spectra of amino acids in water			
09:50 -	10:10	Mittal Biomolecular interactions in explicit solvent			
10:10 -	10:30	Gopal Molecular thermodynamics of trypsin inhibitor binding: the role of the solvent			
		Coffee break & poster session			
Chair: Schäfer					
11:00 -	11:20	Pattni Spatially resolved solvent dynamics and thermodynamics at various sites of MT-1MMP			
11:20 -	11:40	Böhm THz spectroscopy and thermodynamics: The hydrophobic effect			
11:40 -	12:00	Persson Local solute-specific signatures in the solvent molar entropy			
12:00 -	12:20	Xu Protein dynamics in reverse micelles: a tale of conformation, solvation and encapsulation			
12:20 -	12:40	Knake Terahertz Spectroscopy of Aqueous Solution Under High Pressure			
12:40 -	13:40	Lunchbuffet & poster session			
Chair: So	huhma	inn			
13:40 -	14:00	Nowaczyk /Rögner Monitoring the interaction of photosystem 2 with its environment: Introduction of a new device			
14:00 -	14:20	Lubitz Biological water splitting – the substrate/solvent interface			
14:20 -	14:50	Ebbinghaus / Schulz A zink-finger hydrolase model system as a crosslinking research project			
14:50 -	15:10	Esselborn Solvation effects on inter-protein electron transfer and intra-protein proton transfer			
15:10 -	15:30	Senske Protein stability in crowding and confinement — a new role for water in protein folding?			
15:30 -	16:00	Coffee break & poster session			
Chair: Plu	meré				
16:00 -	16:20	Held The impact of activity coefficients on bioreactions			
16:20 -	16:40	Luong Combined pressure and cosolvent effects on enzyme activity			
16:40 -	17:00	Decaneto Cobalt (II) substitution of the zinc(II) ions of membrane-type 1 matrix metalloproteinase			
17:00 -	17:20	Gnutt RNA hairpin folding in the crowded cell			

Chair: Herrmann				
17:50	-	1	Rüdiger Combining electrochemistry and EPR to study enzymes in redox hydrogels	
18:10	-	40 00	Kopiec Bioelectrocatalysis in redox-active hydrogel films – solvation effect on redox potential	
18:30	-	18:50	Schuhmann Scanning photoelectrochemical microscopy - a new tool to visualize light-induced bioelectrochemical processes with high lateral resolution	
18:50	_	19:10	Buesen Electroanalytical methods and modeling to quantify kinetic constants related to biocatalytic activity under various solvent conditions	