

Science Day / Sommerfest

10 July 2024, LCP HS 0´06

16.00 Welcome

16.05 Prof. Dr. Dietrich Volmer – „ Assessing molecular diversity by mass spectrometry: from gas phase ion/molecule reactions to sustainable chemistry and precision medicine“

16.45 PD Dr. Denis Usvyat – “Abusing orbitals for efficiency in quantum chemistry“

17.30 Poster Session

18.30 Barbecue

20.30 Option End

List of Posters

Group	Poster Presenter(s)	Title
Pinna	<i>Team member</i>	Metal oxides with controlled structures for energy storage and catalysis
Ray	Matthias Jux	A non-heme Analogue of Hemoglobin: Reversible Oxygen Binding Mediated by H-Bonding Interaction
Börner	Tilman J. Neubert, Keven Walter	Biohybrid adhesives with electrochemical deactivation for reversible bonding
Seitz	Prof. Oliver Seitz Hendrik Hanbrink	Peptide Ligation Against All Odds Auxiliaries in Native Chemical Ligation: Exploring the Reactivity Landscape with new Scaffolds'
Stähler	Samuel Paltato, Subhadra Mohaptra, Philipp Schwendtke	Ultrafast Dynamix: At the interface of chemistry and physics
Sauer	Henning Windeck	Next Generation Quantum Chemistry of Water Adsorption in Acidic Zeolites
Heiner	Zsuzsanna Heiner	SALSA Photonics Lab
Tiemann	Nikki Man	Impacts and Didactic Strategies for Integrating Green Chemistry into Higher Education

Reuter	Konstantin Jakob Robert Strothmann	Universally Accurate or Specifically Inadequate? Stress-testing General Purpose Machine Learning Interatomic Potentials AI-Empowered Universal Workflow for Molecular Design of Performant Photoswitches
Abbenseth	Sotirios Pavlidis	Two-Fold Proton-Coupled Electron Transfer at a Ta(V) Aniline Complex Mediated by a Redox-Active NNN Pincer Ligand
Pérez-Bitrian	Alberto Pérez-Bitrián	Organoxenon Compounds: Applications in Organometallic Chemistry
Unger	Manuel Vasquez Montoya	Unger group