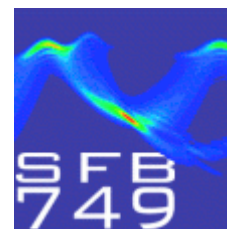


4th SFB 749 workshop in Wildbad Kreuth: 21.03.- 23.03.2012



wednesday, 21.03.2012

- 12:00** **lunch**
- 13:55 welcome
- 14:00 AK Mayr (B1): Benzhydrylium Ions: Reference Electrophiles
Linking Femtosecond Spectroscopy with Ambident Reactivity
and Organometallic Chemistry
- 14:30 Eberhard Riedle (B5): The photoinduced bond cleavage of
diphenylmethylchloride: analysis beyond traditional concepts
- 15:00 Sebastian Thallmair (C2): Photochemistry of phosphonium salts:
twists and turns towards its microscopic description
- 15:30 – 16:00** **coffee break**
- 16:00 Philip Tinnefeld: Boosting Single-Molecule and Super-Resolution
Microscopy with DNA Origami
- 17:00 AK Zinth (A5): Photoswitchable peptides – folding and unfolding
- 17:30-18:00** **coffee break**
- 18:00 AK Tavan/Mathias (C4): Vibrational mode coupling probed by
first principles molecular dynamics
- 18:30 poster short presentation part I (A3, A4, A8, B1, B2, B5, B6)
- 19:00** **dinner**

thursday, 22.03.2012

- 9:00 Claus Seidel: High precision FRET to analyze heterogeneous
biomolecules in time and space
- 10:00 Sabine Rauch (A8): Local folding/unfolding dynamics of alpha-
helices measured by triplet triplet energy transfer: effects of helix
length, end-capping and amino acid sequence
- 10:30 – 11:00** **coffee break**

- 11:00 Hendrik Zipse (C6): Enzymatic Radical Reactions Mediated by S-Adenosylmethionine (SAM)
- 11:30-12.00 poster short presentation part II (B7, B8, C2, C4, C5, C6, C7, C8)
- 12:00-13:00 meeting of the SFB749 project leaders
- 13:00-16:00 lunch/free time**
- 16:00 Sabine Schneider: Targeting RNA with small molecules: expressed cyclopeptide libraries as selective inhibitors for RNA-protein interactions
- 16:30 Thomas Carell (A4): Structure and mechanism of the spore photoproduct lyase
- 17:00 – 19:00 poster session
- 19:00 dinner**

friday, 23.03.2012

- 9:00 Achillefs Kapanidis: Exploring the DNA polymerase machine using in vitro and in vivo single-molecule fluorescence
- 10:00 Thomas Bein (B6): Dynamics in mesopores and drug delivery with functionalized mesoporous nanoparticles
- 10:30 – 11:00 coffee break**
- 11:00 Tobias Thaler (B2): New insights into the stereochemical behavior of diastereomeric alkylic organometallics.
- 11:30 Konrad Koszinowski (B7): Tracking down elusive organocopper and –aluminum intermediates
- 12:00 lunch**
- departure**