

Program of the 25th seminar day

April 6th – 8th

Wednesday, April 6th (lecture hall H48, University of Regensburg)

| time | topic | speaker |
|---------------|---|--------------------------|
| 13:00-13:15 | Opening remarks | Prof. Dr. Burkhard König |
| Chair | Session I | Andreas Meyer |
| 13:15-13:35 | <i>Applications of the Visible Light Mediated Decarboxylation of Acyloxyphthalimides</i> | Simon Budde |
| 13:35-13:55 | <i>Photocatalytic studies with alpha-bromochalcones and enamides</i> | Thomas Föll |
| 13:55 -14:15 | <i>Visible-light photoredox catalyzed synthesis of substituted N-heterocycles</i> | Eugen Lutsker |
| 14:15- 14:35 | <i>Enantioselective Photoreactions of Diazocompounds using a Chiral Thioxanthone Catalyst</i> | Alena Hölzl |
| 14:35-14:55 | <i>Excitation energies of radicals - a theoretical examination</i> | Gero Wälz |
| 14:55-15:30 | Coffee break | |
| Chair | Session II | Dominik Gigl |
| 15:30-15:50 | <i>Metal-free, visible-light-mediated decarboxylative alkylation of biomass-derived compounds</i> | Johanna Schwarz |
| 15:50-16:10 | <i>Mechanistic studies on the photocatalytic and visible light induced CDC reaction of N-arylamines with nucleophiles</i> | Hannah Bartling |
| 16:10-16:30 | <i>Visible Light Photocatalysis: An Exotic Application Towards sp² C-P Bond Formation</i> | Dr. Rizwan Shaikh |
| 16:30-16:50 | <i>Visible light photoredox co-catalysis: Mono-photonic C–H arylations using aryl halides</i> | Dr. Indrajit Ghosh |
| 16:50-17:10 | <i>Aerobic photooxidation of sulfides to sulfoxides mediated by a vitamin B2 derivative and visible light</i> | Tomáš Neveselý |
| 17:30 – 19:00 | Postersession (Lobby) | all |

Thursday, April 7th (lecture hall H48, University of Regensburg)

| time | topic | speaker |
|--------------|---|------------------------|
| Chair | Session III | Bernd Mühldorf |
| 09:00-10:30 | <i>Weighing Mechanistic Evidence</i> | Prof. Dr. John Murphy |
| 10:30-11:00 | Coffee break | |
| Chair | Session IV | Sabine Kerres |
| 11:00-12:00 | <i>Developments in coupling haloarenes to arenes with organic ground-state additives</i> | Prof. Dr. John Murphy |
| 12:00-13:30 | Lunch | |
| Chair | Session V | Andreas Tröster |
| 13:30-13:50 | <i>SELEX - Selecting an Aptamer for Photocatalytic Applications</i> | Nadine Gaß |
| 13:50-14:10 | <i>Exploring the Potential of Core-Substituted NDI as a New Class of Tunable Organic Visible-Light Photoredox Catalysts</i> | Barbara Reiß |
| 14:10-14:30 | <i>A photoremovable protecting group for carboxylic acids</i> | Elisabeth Speckmeier |
| 14:30-14:50 | <i>Early signaling mechanism of LOV2-Rac1b, an artificial photoswitch</i> | Ivan Stambolic |
| 14:50-15:20 | Coffee break | |
| Chair | Session VI | Hannah Bartling |
| 15:20-15:40 | <i>Enantioselective Catalysis of Photochemical Reactions by Triplet-Sensitization</i> | Andreas Tröster |
| 15:40-16:00 | <i>Investigation of Photocatalytic Processes with Transient Absorption Spectroscopy</i> | Matthias Block |
| 16:00-16:20 | <i>Light-driven Hydrogen Evolution Activity of Molecular Molybdenum Sulfide Catalyst</i> | Dr. Mehda Dave |

Friday, April 8th (lecture hall H48, University of Regensburg)

| time | topic | speaker |
|-------------------------|---|------------------------------------|
| <i>Chair</i> | Session VII | <i>Elisabeth Speckmeier</i> |
| 09:00-09:20 | <i>Eosin Y Photoredox-catalyzed Sulfonylation of Alkenes: Scope and Mechanism</i> | Andreas Meyer |
| 09:20-09:50 | <i>M_xN_(1-x)Nb₂O₆ solid solutions</i> | Dominik Gigl |
| 09:50-10:10 | <i>Novel Ru(NHC)M photocatalysts for water splitting</i> | Lydia Petermann |
| 10:10-10:30 | <i>Coffee break</i> | |
| <i>Chair</i> | Session VIII | <i>Lydia Petermann</i> |
| 10:30-11:00 | <i>Photocatalysis on glass and in solution</i> | Dr. Michal Majek |
| 11:00-11:20 | <i>A novel approach to 5-substituted 3-pyrrolidin-2-ones via photoredox catalysis.</i> | Julietta Yedoyan |
| 11:20-11:40 | <i>Visible Light Photocatalyzed Cross Coupling Reaction of Five-membered Heteroarenes</i> | Dr. Leyre Marzo |
| 11:40-12:00 | <i>Closing Remarks</i> | Prof. Dr. Burkhard König |
| Lunch (optional) | | |