35. (and last) Seminar Day of the graduate research training group „Chemical Photocatalysis“

*Thursday, March 28th*

Arrival at Kloster Kostenz until 9.30 am

**Session 1 – review by topics**

10 – 11  *Nine years of flavin photocatalysis* (chair: Matthias Schmalzbauer)

   Robert Wolf, Radek Cibulka (review 20 min)

   - 5-Deazaflavins - Synthesis, characterization and photocatalytic application (Andreas Graml)
   - Photocatalytic Activation of White Phosphorus (Ulrich Lennert)

11 – 12  *A decade of developments in transition metal photocatalysts*

   (Chair: Alex Wimmer)

   Oliver Reiser (review 20 min)

   - Simon Budde: Fun with iridium and ruthenium based photocatalysts
   - Asik Hossain: Even more fun with copper based photocatalysts

12 – 12.30  *Computational methods in photocatalysis* (chair: Nele Berg)

   *What can you expect and where are the limits?*

   Julia Rehbein

12.30 – 13.30  Lunch

**Session 2 (during hike)**

14.00 – 15.30  *Noble failures* (chair: Burkhard König)

   Recap the failures in research of the GRK 1626 projects over the last 9 years

**Session 3**

16 – 17.30  *Progress in spectroscopic methods in photocatalysis over the last 9 years*

   (chair: Michael Klimkait)

   Ruth Gschwind, Eberhard Riedle (review 20 min)

   - NMR spectroscopic projects in photocatalysis over the last years (Philipp Nitschke)
   - Investigations on the Photocatalytic Mechanism of Rhodamine 6G (Sebastian Bergwinkl)
   - Single-molecule photoredox catalysis (Philipp Wilhelm)
17.30 – 18.30  Applications of heterogeneous photocatalysis in the GRK (chair: Alena Hölzl-Hobmeier)
   
   Burkhard König, Arno Pfitzner (review 20 min)
   - Short presentation 1 (Indrajit Ghosh)
   - Short presentation 2 (Roland Marshall)

18.30 – 19.30  Dinner

20 – 20.30  GRK 1626 review in pictures
20.30  Bar

Friday, March 29th

Session 4

9 – 10  Stereoselective photocatalysis – How the projects evolved over 9 years!
   
   (Chair: Lukas Traub)
   
   Andi Bauer, Kirsten Zeitler (review 20 min)
   - Short presentation 1 (Alena Hölzl-Hobmeier)
   - Visible Light Mediated Oxidative Iodination of Arenes (Rok Narobe)

10 – 11  Photocatalysis with organic dyes – early attempts and latest developments
   
   Burkhard König, Kirsten Zeitler (review 20 min) (chair: Sebastian Bergwinkl)
   - Short presentation 1 (Karsten Donabauer)
   - Short presentation 2 (Axel Jacobi von Wangelin)

11 – 11.30  Coffee break

Session 5

11.30 – 12.30  Unsolved problems, open questions and future goals
   
   All participants (chair: Burkhard König)

12.30  optional lunch and departure