



4th Annual Workshop of the International Research Training Group
Catalysts and Catalytic Reactions for Organic Synthesis (GRK 1038)
June 10 – 11, 2010

Program

Thursday, June 10th

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| 12.00 - 14.00 | | Arrival and Get-Together |
| 14.00 - 14.10 | | Welcome and Opening Remarks |
| 14.10 - 14.40 | L1 | Tillmann Heinisch , Universität Basel
<i>Turning Apo-Streptavidin into an Osmium-Dependent Dihydroxylase</i> |
| 14.40 - 15.10 | L2 | Andrea Kienzler , Universität Freiburg
<i>Innovative FRET-Systems for Supramolecular Interactions</i> |
| 15.10 - 15.40 | L3 | Jing Huang , Universität Basel
<i>Efficient Computational Methods for Transition Metal Complexes: Energetics and Dynamics of a Hydrogen-Bonded Bidentate Catalyst</i> |
| 15.40 - 16.15 | | Coffee Break |
| 16.15 - 16.45 | L4 | Corinna Reisinger , MPI Mülheim
<i>Organocatalytic Asymmetric Epoxidation and Hydroperoxidation Reactions</i> |
| 16.45 - 17.15 | L5 | Isabel Piel , Universität Münster
<i>Advances in Asymmetric Organocatalysis using N-Heterocyclic Carbenes</i> |
| 17.15 - 17.30 | | Short Break |
| 17.30 - 18.30 | EL | Prof. Dieter Seebach , ETH Zürich
<i>Characterization of Reactive Intermediates in Organocatalysis - generally accepted mechanisms revisited</i> |
| 19.00 | | Dinner |

Program

Friday, June 11th

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| 9.00 - 9.30 | L6 | Verónica López-Carrillo , ICIQ Tarragona
<i>Gold-Catalyzed Reaction of Alkynes with Alkenes</i> |
| 9.30 - 10.00 | L7 | Henrik Teller , MPI Mülheim
<i>Asymmetric Gold(I)-Catalysis: Opportunities provided by Monodentate Phosphoramidite Ligands with an Acyclic TADDOL Backbone</i> |
| 10.00 - 10.30 | | Coffee Break |
| 10.30 - 11.00 | L8 | Kai Laemmerhold , Universität Freiburg
<i>Total Synthesis of C16N Lycopodium Alkaloids</i> |
| 11.00 - 11.30 | L9 | Fionn O'Hara , University of Cambridge
<i>New Strategies for Chemical Synthesis: Towards the Total Syntheses of Dictyodendrin B and C via Iterative Metal-Catalyzed C-H Bond Functionalization</i> |
| 11.30 - 12.00 | L10 | Deniz Arican , Universität Freiburg
<i>Benzotropolones – A Flexible Access to These Natural Product Substructures</i> |
| 12.00 - 14.00 | | Lunch at the Mensa |
| 14.00 - 14.30 | L11 | Laurence Bonnafoux , ETH Zürich
<i>Towards Nickel(II) Pigiphos Catalyzed Enantioselective 1,3-Dipolar Cycloadditions of Nitrones to Acrylonitrile</i> |
| 14.30 - 15.00 | L12 | David Woodmansee , Universität Basel
<i>Chiral Pyridyl-Phosphinites with Large Aryl Substituents as Efficient Ligands for the Asymmetric Iridium-Catalyzed Hydrogenation of Difficult Substrates</i> |
| 15.00 | | Closing Remarks |