



Universität Basel / Switzerland



Albert-Ludwigs-Universität  
Freiburg / Germany

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**2<sup>nd</sup> Workshop of the  
International Research Training Group  
“Catalysts and Catalytic Reactions  
for Organic Synthesis” (GRK1038)**

**15<sup>th</sup>-16<sup>th</sup> March 2007**

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**Programme Thursday 15<sup>th</sup> March**

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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 | <b>Dominik Altevogt</b> , Albert-Ludwigs-Universität Freiburg<br><i>A New Assay for Transcription Factor NF-<math>\kappa</math>B</i>                                     |
| 14.40 - 15.10 | L2 | <b>Natasa Mrsic</b> , University of Groningen<br><i>Asymmetric Hydrogenation of Quinolines</i>   |
| 15.10 - 15.40 | L3 | <b>Antje Teichert</b> , University of Basel<br><i>Screening of Chiral Catalysts by Mass Spectrometric<br/>Monitoring of Catalytic Intermediates</i>                      |
| 15.40 - 16.15 |    | Coffee Break   |
| 16.15 - 16.45 | L4 | <b>Andrei Bădoiu</b> , University of Geneva<br><i>Lewis Acid-Catalyzed Asymmetric Cycloaddition Reactions</i>  |
| 16.45 - 17.15 | L5 | <b>Dr. Martin Klußmann</b> , MPI für Kohlenforschung, Mülheim an<br>der Ruhr<br><i>Mechanistic Studies in Organocatalysis - Implications for the<br/>Origin of Life?</i> |
| 17.15 - 17.30 |    | Short Break  |
| 17.30 - 18.30 | EL | <b>PD Dr. Martin Karpf</b> , Roche, Basel<br><i>From Milligrams to Tons: The Importance of Synthesis &amp;<br/>Process Research in the Development of New Drugs</i>      |
| 19.00         |    | Dinner at Restaurant Safran Zunft  |

## Programme Friday 16<sup>th</sup> March

- 9.00 -9.30 L6 **Barbara Weiner**, University of Groningen  
*Nucleophile Scope in the Conjugate Addition to Fumarate Catalyzed by Aspartate Ammonia Lyase from bacillus sp.: en Route towards  $\beta$ -Amino acids*
- 9.30 -10.00 L7 **Markus Wiesner**, University of Basel  
*Peptides as Catalysts for Asymmetric 1,4-Addition Reactions of Aldehydes to Nitroalkenes*
- 10.00 -10.30 Coffee Break
- 10.35 -11.05 L8 **Iris Kieltsch**, ETH Zürich  
*Electrophilic Trifluoromethylation Using Hypervalent Iodine(III) Compounds*
- 11.00 -11.30 L9 **Korinna Dormann**, Albert-Ludwigs-Universität Freiburg  
*Development of a Novel and Variable Access to Optically Active Thiotetronic Acid Antibiotics*
- 11.30 -12.00 L10 **Bjorn ter Horst**, University of Groningen  
*Asymmetric Conjugate Addition Reactions in the Synthesis of Mycobacterium Tuberculosis Antigens*
- 12.00 -14.00 Lunch at the Mensa
- 14.00 -14.30 L11 **Dr. Kegang Liu**, University of Basel  
*Aldol Reactions in Water Using a  $\beta$ -Cyclodextrin-Binding Prolin Derivative*
- 14.30 -15.00 L12 **Stefan Reichert**, Albert-Ludwigs-Universität Freiburg  
*Development of an Axial Chirality Switch*
- 15.00 Closing Remarks