

# Programm Bioorganik 2013 in Münster

**Montag, 23.09.2013**

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| 14.00-14.10 | Prof. Dr. Bart Jan Ravoo<br>(Dekan FB Chemie und Pharmazie,<br>WWU Münster)        | <i>Begrüßung und Eröffnung der Konferenz</i>  |
| 14.10-14.30 | Dr. Jan Deska<br>(Universität zu Köln)   | <i>Achmatowicz Goes Green</i>   |
| 14.30-14.50 | Dr. Tom Grossmann<br>(TU Dortmund)   | <i>Stabilization of Irregular Peptide<br/>Secondary Structures</i>  |
| 14.50-15.10 | Dr. Melissa Koay<br>(Universität Twente)   | <i>Self-assembled protein cages as<br/>(model) biological microcompartments</i>                                 |
| 15.10-15.30 | Jun.-Prof. Dr. Andrea Rentmeister<br>(TU Hamburg)                                  | <i>Tetramolecular fluorescence<br/>complementation for sequence-specific<br/>detection of RNA</i>               |
| 15.30-15.50 | Dr. Stephanie Kath-Schorr<br>(Universität Bonn)                                    | <i>RNA: Catalytic mechanisms and<br/>targeting of functional structures</i>                                     |
| 15.50-16.20 | <i>Kaffeepause</i>   |   |
| 16.20-16.40 | Dr. Oliver Koch<br>(TU Dortmund)   | <i>Target-focused libraries with increased<br/>hit rates towards protein-protein<br/>interaction inhibitors</i> |
| 16.40-17.00 | Dr. Elsa Sanchez Garcia<br>(MPI für Kohlenforschung)                               | <i>Molecular Interactions in Biological<br/>Systems: A Computational Perspective</i>                            |
| 17.00-17.20 | Dr. Claudia Höbartner<br>(MPI Göttingen)   | <i>Synthesis of site-specifically labeled<br/>RNA using DNA enzymes</i>   |
| 17.20-17.40 | Dr. Thorsten Stafforst<br>(Universität Tübingen)                                   | <i>Engineered guideRNA-Dependent<br/>Deaminases - A Tool to Modify mRNA</i>                                     |
| 17.40-18.00 | Dr. Gerrit Limberg<br>(Alexander von Humboldt Foundation)                          |   |
| 19.30       | Bier und Brezel-Vortrag:<br><b>Prof. Dr. Thomas Carell</b><br><b>(LMU München)</b> |   |

**Dienstag, 24.09.2013**

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| 8.30-8.50    | PD Dr. Felix Zelder<br>(Universität Zürich)                  | <i>Peptide B12- a new class of modified vitamin B12 derivatives</i>   |
| 8.50-9.10    | Jun.-Prof. Dr. Boris J. Nachtsheim<br>(Universität Tübingen) | <i>Die kleinsten Peptid-basierten Hydrogelatoren</i>  |
| 9.10-9.30    | Thea Schubach<br>(Universität Hannover)                      | <i>Kohlenhydrat-Bis(oxazoline) zum Aufbau quartärer Stereozentren</i>   |
| 9.30-9.50    | Dr. Marco Hapke<br>(Leibnitz Institut für Katalyse)          | <i>Synthesen von und mit Biarylsystemen</i>   |
| 9.50-10.10   | Dr. Jan Streuff<br>(Universität Freiburg)                    | <i>Titankatalysierte Reduktive Umpolungsreaktionen</i>  |
| 10.10-10.30  | <i>Kaffeepause</i>   |   |
| 10.30-10.50  | Dr. Andrea Strasser<br>(Universität Regensburg)              | <i>Selective ligands for the histamine H<sub>1</sub>- and H<sub>4</sub>-receptor</i>  |
| 10.50-11.10  | Dr. Thomas Magauer<br>(LMU München)                          | <i>Natural Products as a Rich Source of Pharmaceuticals</i>   |
| 11.10-11.30  | Dr. Yixin Zhang<br>(TU Dresden)                              | <i>Fractional conformational relaxation and ligand dissociation in the cyclosporin/cyclophilin 18 complex</i>                         |
| 11.30-11.50  | Prof. Dr. Lech-Gustav Milroy<br>(TU Eindhoven)               | <i>Naturally-inspired small molecule modulators of protein-protein interactions</i>   |
| 11.50-12.10  | Dr. Anna K. H. Hirsch<br>(University of Groningen)           | <i>Structure-Based Design of Novel Inhibitors for the Aspartic Protease Endothiapepsin Exploiting Dynamic Combinatorial Chemistry</i> |
| 12.10.-13.30 | <i>Mittagspause (Essen in der Mensa am Aasee)</i>            |   |
| 13.30-13.50  | Dr. Georg Manolikakes<br>(Universität Frankfurt)             | <i>Development of SO<sub>2</sub>-Based One-Pot Reactions for the Rapid Construction of Arylsulfones</i>                               |
| 13.50-14.10  | Dr. Alexander Breder<br>(Universität Göttingen)              | <i>Direkte oxidative allylische und vinylische Aminierung unaktivierter Alkene mittels Selenkatalyse</i>                              |
| 14.10-14.30  | Dr. Julia Rehbein<br>(Universität Hamburg)                   | <i>Toward a Dynamic Understanding of Reaction Mechanisms</i>  |
| 14.30-14.50  | Dr. Manuel Alcarazo<br>(MPI für Kohlenforschung Mülheim)     | <i>Synthesis and applications of cationic phosphine ligands</i>   |

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| 14.50-15.10 | Dr. Max von Delius<br>(Universität Erlangen-Nürnberg)               | <i>Pushing the Boundaries of Olefin Hydroacylation: a Rh Catalyst that Allows the Rapid Synthesis of Octaketide Natural Products and Analogues</i> |
| 15.10-15.30 | Dr. Stephan Enthaler<br>(TU Berlin)                                 | <i>Nickel Catalysis as Tool for the Removal of Directing Groups</i>  |
| 15.30-16.00 | <i>Kaffeepause</i>  |  |
| 16.00-16.20 | Dr. Florian Beuerle<br>(Universität Würzburg)                       | <i>Molecular Networks and Cage Compounds Based on Small Organic Building Blocks</i>  |
| 16.20-16.40 | Dr. Birgit Esser<br>(Universität Bonn)                              | <i>Funktionelle <math>\pi</math>-Systeme in organischen Batterien und konjugierten Nanogürteln</i>   |
| 16.40-17.00 | Jun.-Prof. Dr. Frederic W. Patureau<br>(Universität Kaiserslautern) | <i>The intermolecular cross dehydrogenative amination reaction: towards a general method based on Ru and Cu catalysts</i>                          |
| 17.00-17.20 | Dr. Christoph Tzschucke<br>(FU Berlin)                              | <i>Elektrokatalytische Reduktion von CO<sub>2</sub> zu Ameisensäure</i>  |
| 17.20-17.40 | Dr. Gina Fiore<br>(University of Fribourg)                          | <i>Mechanochemistry in Metallosupramolecular Materials</i>   |
| 17.40-18.00 | Dr. Henry Dube<br>(LMU München)                                     | <i>Rationales Design von Photoschaltern</i>  |
| 19.30       | <i>Konferenzdinner (Restaurant Am Schloßpark)</i>                   |  |

**Mittwoch, 25.09.2013**

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| 8.30-8.50   | Dr. Philipp Selig<br>(RWTH Aachen)                                     | <i>Synthesis of Functionalized Heterocycles from Allenates by Advanced Guanidine-Organocatalysis</i>  |
| 8.50-9.10   | Dr. Ilya K. Voets<br>(Eindhoven University of Technology)              | <i>Self-assembly in soft matter: Hot proteins and cool crystals</i>   |
| 9.10-9.30   | Dr. Sebastian Seiffert<br>(FU Berlin)                                  | <i>Cell-Laden Microgels by Radical-Free and Supramolecular Gelation in Droplet-Based Microfluidics</i>  |
| 9.30-9.50   | Dr. Oleg Maltsev<br>(TU München)                                       | <i>Fluorescence Bioimaging with Firefly Oxyluciferin Analogs</i>  |
| 9.50-10.10  | PD Dr. Goran Angelovski<br>(MPI Tübingen)                              | <i>Dual-Frequency Contrast Agents for <math>^1\text{H}/^{19}\text{F}</math> MRI</i>   |
| 10.10-10.40 | Kaffeepause  |   |
| 10.40-11.00 | Dr. Alexander Kuehne<br>(DWI at RWTH Aachen)                           | <i>Bridging the band-gap - synthesis of new <math>\pi</math>-conjugated polymers and colloids</i>   |
| 11.00-11.20 | Dr. Vladimir A. Azov<br>(Universität Bremen)                           | <i>Tetrathiafulvalene-based Receptors for Recognition of Electron-Deficient Molecular Guests</i>  |
| 11.20-11.40 | Dr. Karsten Seeger<br>(Universität Lübeck)                             | <i>Untersuchungen der Cystein-reichen Region von Kollagen VII mit CD- und NMR-Spektroskopie</i>   |
| 11.40-12.00 | Toni Kühl<br>(Universität Bonn)  | <i>From hemin-binding to cysteine-containing peptides to the prediction of novel heme-regulated proteins: Analysis of recognition determinants and structural characteristics</i> |
| 12.00-12.20 | Dr. Andreas Brunschweiler<br>(TU Dortmund)                             | <i>Synthesis and Screening of privileged scaffold-based DNA-encoded small molecule libraries</i>  |
| 12.20-12.40 | Dr. Daniel Varon Silva<br>(MPI für Kolloid- und Grenzflächenforschung) | <i>Glycosylphosphatidylinositols als Vaccine Candidate against Toxoplasmosis</i>  |
| 12.40-13.00 | Dr. Pol Besenius   | <i>Schlußwort</i>   |