

# Forschung der Chemischen Industrie

## Vortragende



Dr. Haakan Jonsson  
Bayer MaterialScience

**Present position:** Senior Vice President, Head of Innovation, Business Unit Polycarbonates, Bayer MaterialScience AG

**Research Interests:** Innovative polymer solutions for the materials industry



Dr. Dirk Gottschling  
Boehringer Ingelheim Pharma GmbH & Co. KG

**Present position:** Laboratory Head, Department of Medicinal Chemistry, Boehringer-Ingelheim Pharma GmbH & Co KG

**Research Interests:** Medicinal Chemistry, Chemical Biology



Dr. Jürgen Pfeiffer  
Wacker Chemie AG

**Present position:** Senior Manager Technology-Management Energy Storage

**Research Interests:** Material innovations for energy storage and conversion with the focus on lithium ion batteries



Dr. Matthias Urmann  
Sanofi-Aventis Deutschland GmbH

**Present position:** Diabetes Research & Translational Science, Associate Vice President; Head of Insulin & Peptides, Sanofi Germany, Frankfurt

**Research Interests:** Drug Discovery, Diabetes, Peptide Chemistry & Design, Insulins



Dr. Rocco Paciello  
BASF SE

**Present position:** Senior Research Manager, Synthesis and Homogeneous Catalysis Department; Process Research and Chemical Engineering  
**Research Interests:** Finding new technical applications of transition metal catalyzed homogeneous catalysis



Dr. Markus Gautschi  
Givaudan Schweiz AG

**Present position:** Head Strategic Projects - Fragrances S&T

**Research Interests:** Development of fragrance ingredients and their applications in consumer products



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Industry Research - Introduced to You.

Donnerstag  
22. Mai 2014

Hörsaalgebäude der Chemischen Institute  
der WWU Münster



12:45 Uhr Dr. Haakan Jonsson Bayer MaterialScience AG  
Reactive Extrusion - A new approach to modified Polycarbonates?

Dr. Dirk Gottschling Boehringer Ingelheim  
Pharma GmbH & Co. KG  
Discovery of BI 1356 (Linagliptin)

Dr. Jürgen Pfeiffer Wacker Chemie AG  
Material innovations for a sustainable energy supply system

PhD Postervorträge WWU Münster  
Ausgewählte Beiträge aktueller Forschungsprojekte

15:15 Uhr Postersession  
Kaffeepause, Diskussion, Snacks

16:30 Uhr Dr. Matthias Urmann Sanofi-Aventis  
Deutschland GmbH  
Recent progress in peptide therapeutics for the treatment of Diabetes

Dr. Rocco Paciello BASF SE  
Asymmetric Hydrogenation: Key to a New Menthol Process

Dr. Markus Gautschi Givaudan  
Schweiz AG  
Fragrance Ingredients - Needs and Challenges

anschl. Sektempfang

WACKER



Givaudan<sup>o</sup>



# FoChIn 2014 · Posterbeiträge aus den Arbeitsgruppen an der WWU Münster

Balducci · Besenius · Dielmann · Eckert · Erker · Galla · Glorius · Hahn · Haufe · Hennecke · Heuer · Holl · Humpf · Jose · Karst Mootz · Müller · Neugebauer · Ravoo · Rentmeister · Schönhoff · Studer · Tudzynski · Uhl · Waller · Wiemhöfer · Winter · Wunsch

01	Wollschläger, Agnes	Al/P Based Frustrated Lewis Pairs - Adducts with Boronhalides and Catalytic Dehydrogenation of Amineboranes
02	Wilking, Michael	Catalytic Enantioselective Halolactonizations of Alkynoic Acids- Investigation on Catalyst Structure and Activity
03	Vidyadharan, Reshma	A QM/MM approach towards modelling small molecule MMP-9 Inhibitors
04	Surmiak, Sabrina	Exploring the Potential of Bifunctional Silica-Nanoparticles – A Combinational Approach to Cooperative Metal Catalysts
05	Shaik, Rizwan S.	Molecular Imaging Studies of Sphingosine-1-phosphate Receptors by [ <sup>18</sup> F]-Labelled FTY 720 (Gilenya®) and Related Ligands
06	Schroeder, Matthias	Advantages and disadvantages of different carbonaceous materials on the behavior of lithium-ion capacitors
07	Schlüns, Danny	Identifying the Active Species of a Ru-based Hydrogenation Catalyst
08	Schirmer, Birgitta	Thermodynamic and Mechanistic Investigations on the Formation of a Tungsten-Based Catalyst Precursor
09	Scharf, Philipp	Imidazophenanthroline as a nucleobase for metal-mediated base pairs
10	Sajid, Muhammad	Frustrated Lewis-Pairs Leading to a New Class of Persistent Free Radicals and Use of CO as C1 source
11	Roling, Oliver	Polymer Brushes Featuring Multifaceted Functions structured via Microcontact Chemistry
12	Richter, Christian	Tailor-made N-Heterocyclic Carbenes for Nanoparticle Stabilization
13	Ramb, Daniel	Synthesis of Fluorinated Building Blocks by Sigmatropic Rearrangements Based on 2-Fluoroallylic Alcohols
14	Radunsky, Christian	Application of Hydrazone-Based Complexes in O <sub>2</sub> Activation and Chromogenic Sensors
15	Prasad, Vysakh P.	Synthesis and Evaluation of fluorinated analogues of S1P Receptor Subtype Specific Antagonists for PET
16	Podiyanchari, Santhosh K.	Unusual Reactions of a Bifunctional Alkynylborane Zirconocene Complex Toward Small Molecules, Donor Ligands and Acetylenes
17	Orlando, Zoya	Identification of novel human hyaluronidase Hyal1 inhibitors from saponine derivatives
18	Orban, Sebastian	pH-triggered release from polyelectrolyte complex micelles
19	Müller, Hannes	Synthesis of LpxC inhibitors derived from D-mannose
20	Matern, Julian	Developing an easy, traceless and generally applicable method to label proteins C-terminally
21	Maheshwari, Aditya	A novel oxide-carbonate composite material for electrolyte applications in SOFCs
22	Löppenber, Marius	Development of a LpxC Enzyme Assay for Inhibitor Testing

23	Kumbhar, Sadhana	Density based adaptive QM/MM method
24	Klotter, Felix	A Modular Approach Towards Resveratrol Based Natural Products
25	Klamor, Sebastian	Alternative Binder for Silicon Based Anodes in Lithium-Ion Batteries towards Elevated Temperatures
26	Kemper, Benedict	Facile Synthesis of a Peptidic Au(I)-Metalloamphiphile and its Self-Assembly into Luminescent Micelles in Water
27	Jeschke, Steffen	Modified Siloxanes as Elektrolytes for Application in Lithium-Ion Batteries
28	Jankowsky, Sebastian	Battery Tests of Polyphosphazene based Gel Polymers and Novel Nitril-Functionalized Disiloxane Electrolytes
29	Jakelski, Rene	Lithium-Metal Batteries- Material Development for Rechargeable and Safe Batteries
30	Holstein, Josephin	Chemo-enzymatic modification of the mRNA 5'-cap using click chemistries
31	Hieronimus, Reint	Strukturbildung von Janusteilchen
32	Großgarten, Mandy	Quantitative Elemental Bioimaging of Silver in Rat Target Organs by means of Laser Ablation ICP-MS
33	Gawaskar, Sandeep	Novel GluN2B antagonists: Balancing affinity and selectivity using bioisosterism
34	Fröhlich, Janine	Conformationally restricted kappa-opioid receptor agonists
35	Drücker, Patrick	Cooperative binding of Annexin A2 and derivatives on cholesterol and phosphatidylinositol-4,5-bisphosphate containing solid supported membranes
36	Dielmann, Fabian	Extrem elektronenreiche Phosphanliganden für neue Perspektiven in der Substrataktivierung und Katalyse
37	Büter, Lars	Simulation of the Oxidative Drug Metabolism by Electrochemistry/Mass Spectrometry
38	Brackemeyer, Dirk	Regioselective C8-Metalation of Adenine Derivatives via Oxidative Addition
39	Boultadakis-Arapinis, Mélissa	Using Rh(III)-catalyzed C-H Activation as a Tool for the Selective Functionalization of Ketone-Containing Molecules
40	Bopp, Bertan	Protein-protein interaction (PPI) inhibitors of human HSP90 identified by flow cytometer based screening
41	Behrens, Matthias	Effects of Fusarium mycotoxins on the blood-brain barrier
42	Bachmann, Anne-Lena	Characterization and application of novel naturally split inteins from metagenomic sources with unusual properties
43	Arndt, Birgit	HPLC-HRMS in combination with software tools: A new strategy for secondary metabolite screening of <i>Fusarium fujikuroi</i>
44	Alfermann, Jonas	A new FRET-sensor to unravel conformational changes in nonribosomal peptide synthetases (NRPS)