

Forschung der Chemischen Industrie



Dr. Kai Rossen
H. Lundbeck A/S

Present Position: Editor-in-Chief, Organic Process Research & Development and Vice President, Process Chemistry, Lundbeck
Research Interests: Development of chemical processes for pharmaceuticals



Dr. Helmut Haning
Bayer AG

Present Position: Head Medicinal Chemistry, Wuppertal, Bayer AG, Pharmaceuticals, R&D, Small Molecule Innovation
Research Interests: Small molecule lead finding methods, nuclear hormone receptors, enzyme inhibitors, computational drug discovery methods, chemical biology



Dr. Heiko Oertling
Nestlé

Present Position: Senior Specialist Flavor Science
Research Interests: Interactions of crystalline solids



Dr. Sladjana Baljak
LANXESS Deutschland GmbH

Present Position: Head of Product Development, Liquid Purification Technologies, Research & Development
Research Interests: Polymerisation and functionalisation in the field of ion exchange



Dr. Martin Juhl
H. Lundbeck A/S

Present Position: Senior Specialist, Route Design, Process Chemistry
Research Interests: Route scouting, Process Optimization, Asymmetric synthesis, Complex natural product synthesis/Total synthesis, Drug Development



Prof. Dr. Dr. med. Andreas Hintennach
Daimler AG, Stuttgart

Present Position: Senior Manager Group Research
Research Interests: Electrochemistry, Sustainability



Dr. Martin Ernst
BASF SE

Present Position: Principal Scientist, RCS/OA, Amine Synthesis, BASF SE
Research Interests: Process Development for Amines, heterogeneous and homogeneous catalysis, gas phase technologies



Forschung der Chemischen Industrie

Industry Research - Introduced to You.

1:00 pm Dr. Kai Rossen H. Lundbeck A/S
Introductory Remarks

Dr. Helmut Haning Bayer AG
Molidustat, a novel HIF-PH Inhibitor for the treatment of anemia

Dr. Heiko Oertling Nestlé
Cocrystals from Salts And Sugars

Dr. Sladjana Baljak LANXESS Deutschland GmbH
Treatment for Aqueous Solutions Tailor-made

PhD Poster Talks WWU Münster
Selected contributions on current research projects

Postersession
Coffee break, discussion, snacks

3:30 pm



Partners of the Event

4:30 pm Dr. Martin Juhl H. Lundbeck A/S
Battling with Triple-O-Seven –
Route Scouting and Early Scale-up

Prof. Dr. Dr. med. Andreas Hintennach
Daimler AG
Between Industry and Academia:
Battery and Fuel Cell Research

Dr. Martin Ernst BASF SE
Safety First! Amination of Alcohols
from an industrial perspective

Reception
Sekttempfang



DAIMLER



Contact: Prof. Dr. Frank Glorius
Organisch-Chemisches Institut | WWU Münster | Corrensstraße 40 | D-48149 Münster
phone +49 251 83-33211 | fax +49 251 83-33202 | www.wwu.de/chemie/oc/

FoChIn 2018

Poster Contributions from Research Groups at the WWU Münster

Dielmann · Erker · Esselen · Fernández · Garcia Mancheño · Gilmour · Glorius · Hahn · Hansen · Hennecke · Humpf · Jose · Junker · Karst · Kehr · Knoll · Kröger
Kümmel · Leker · Lips · Mootz · J. Müller · K. Müller · Neugebauer · Placke · Ravoo · Rentmeister · Schönhoff · Studer · van Gemmeren · Winter · Wünsch

01	Axer, Alexander	Imaging bacterial infections: Development of ¹⁸ F-fluorinated maltodextrins with unmodified reducing ends and evaluation of their <i>in vivo</i> stability
02	Bamberger, Julia	Highly Enantioselective Functionalization of Chromenones by Anion-Binding Catalysis
03	Beltróp, Kolja	Innovative and Highly Efficient Electrolyte Additive for Graphite/NMC811 Lithium Ion Batteries
04	Bensberg, Moritz	Cost Effective, High Accuracy Reaction Energies for Organic Reactions from QM/QM Calculations
05	Bente, Stefanie	Site-selective metalation of a dicarbene precursor
06	Bernemann, Clemens	Optimizing Nature: Novel Derivatives of the Stat3 Inhibitor Napabucasin
07	Birus, Robin	Studies on the Intestinal Transfer of CK2-Inhibitor
08	Böcker, Jana	Light-activated protein splicing
09	Brandes, Ann-Kathrin	Impact of propenylc asarones on the assembly of microtubules
10	Bunse, Paul	Synthesis of substituted 1-alkylidenecephthalanes via lithium-promoted 5-exo-dig cyclization
11	Das, Saikat	Lewis Acid Catalyzed Stereoselective Dearomative Coupling of Indolylboron Ate Complexes with Donor-Acceptor Cyclopropanes and Alkyl Halides
12	De Marco, Rossella	Small hybrid peptides as potential drugs for inflammatory diseases
13	Deutsch, Maximilian	Lateral anodic oxidation in 1D- and 2D-nanofilm processors
14	Dobelmann, Clemens	Development of Polyfunctionalized Newkome-type Dendrimers for Targeted Drug Delivery
15	Engel, Sabrina	Magnetic Iron Oxide Nanoparticles as Versatile Building Blocks in Materials Science and Medicine
16	Ghiringhelli, Francesca	The Direct Conversion of α -Hydroxyketones to Internal Alkynes - Acyloin-Type Reactions as an Entry Towards Fragment Coupling Alkyne Syntheses
17	Greenwood, Matthew	Economic Analysis of the Green Battery Value Chain
18	Greßies, Steffen	Ligand-Enabled Enantioselective Csp ³ -H Activation of Tetrahydroquinolines and Saturated Aza-Heterocycles by Rh(I)
19	Gust, Fabian	Teaching self-assembly in a student lab for upper secondary school
20	Hansmann, Patrick	Structural and functional analysis of the TSC Complex
21	Hartstock, Katja	Enrichment and Detection of Methyltransferase Target Sites in RNA
22	Hövelmann, Yannick	Urinary Biomarker Discovery for Tomato Intake by HPLC-HRMS based Metabolomics
23	Imholt, Laura	Solid Polymer Electrolytes Based on Self-Assembled Methylated Rotaxanes for Lithium Metal Batteries
24	Jiang, Heng	Iminyl radical by oxidation of α -imino-oxy acids: towards r-C(sp ³)-H functionalization of ketones
25	Klaasen, Henning	New 2D-Reactions with α -Diazo Ketones
26	Klahr, Kevin	Subsystem DFT as a viable alternative to KS-DFT? A structural benchmark study
27	Klauck, Felix	Deaminative Strategy for the Visible-Light-Mediated Generation of Alkyl Radicals
28	Knitsch, Robert	Structural Investigation of Amorphous BNH Products from Catalytic Dehydrogenation of Hydrazine Borane

29	Kock, Max	A Novel Synthetic Pathway Towards Bicyclo[3.1.0]hexane Derived Ribose Bioisosters
30	Kolek, Martin	Approaching long-term cycling performance for redox polymers as cathode-active materials in dual-ion batteries
31	Krug, Isabel	Marine biotoxins and their effects on cells of the blood-brain barrier
32	Lamping, Sebastian	Supramolecular Responsive Adhesives through Host-Guest Interactions and Dynamic Covalent Chemistry
33	Langenstroer, Anja	Mechanistic Insights into the Supramolecular Polymerization of a Discrete π -Conjugated Pt(II) Complex
34	Martin, Benedikt	Synthesis of quinoline-based conformationally restricted κ -opioid receptor agonists
35	Meier, Martin	Selective Synthesis of Heterobimetallic Complexes
36	Möller, Nadja	Surface Modification of Upconversion Nanoparticles
37	Mönninger, Alexander	Ultra-High-Throughput Screening for Multicopper Oxidases with Improved Radical Forming Capabilities
38	Morack, Tobias	Vitamin Catalysis: Direct, Photocatalytic Synthesis of Benzocoumarins via (-)-Riboflavin-Mediated Electron Transfer
39	Mörücke, Jennifer	Reactions of halobis(pentafluorophenyl)boranes with alkynyl phosphines
40	Motealleh, Andisheh	Development of model implant with controlled drug delivery ability
41	Mukherjee, Satobhisha	Cooperative Catalytic Strategy for Functionalization of unactivated C-H bonds
42	Müller, Jennifer-Christin	LA-ICP-MS analysis of Methanobactin Treatment as Therapy for Wilson's disease
43	Osorio Yáñez, Rebeca	C8 Metalation of adenine. Synthesis of Rh ^{III} and Ir ^{III} Complexes featuring bidentate di-NHC ligands
44	Pöppelmann, Tobias	Effect of the green tea polyphenol epigallocatechin gallate on the transcription of apoptosis-associated genes
45	Remme, Fabian	Nanofilm processor with modulated velocity of the lateral anodic self oxidation
46	Rotering, Philipp	Generation of Sulfur Monoxide (SO) from Sulfur Dioxide (SO ₂) using Phosphines
47	Sandmann, Nikolas	Entwicklung eines neuartigen Imidazol-basierten N,O-Donorliganden für metallvermittelte Basenpaare
48	Schaumann, Niklas	Synthesis and Biological Evaluation of Novel Anthracenone-based Inhibitors of Tubulin Polymerization
49	Scheidt, Felix	Emulating Natural Product Conformation by Cooperative, Non-Covalent Fluorine Interactions
50	Schmidt, Florian	Electrophoretic NMR Characterization of Lithium Salt-Glyme Mixtures
51	Schnieders, David	Oxidative Addition Patterns in Transition Metal Chemistry
52	Schwedtmann, Kevin	Synthesis and Reactivity of Amido-Substituted Silicon Cluster Compounds
53	Thum, Simone	Synthesis and biological evaluation of benzo[7]annulen-7-amines as GluN2B antagonists for the positron emission tomography
54	Wedek, Volker	Asymmetric dichlorination of alkenes
55	Will, Jonas	Investigating the adduct formation of triorganotin compounds with beta-lactoglobulin using hyphenated techniques
56	Wölke, Christian	Frustrated Lewis Pairs in the catalytic hydrogenation of α,β -unsaturated ketones