

Forschung der Chemischen Industrie

Dr. Patrick Schnider
Roche

Present Position: Expert Scientist, Medicinal Chemistry, Roche Pharmaceutical Research and Early Development, Roche Innovation Center Basel

Research Interests: Medicinal Chemistry

Dr. Oliver Busch
Evonik Creavis

Present Position: Vice President Sustainable Businesses, Evonik Creavis

Research Interests: Catalysis

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

Present Position: Sr. Manager Group Research

Research Interests: Electrochemistry, Sustainability

Dr. Michael Rack
BASF SE

Present Position: Senior Principal Scientist, RBA/P; Process Development Agrochemicals

Research Interests: Process Development, Fluorine Chemistry, Route Scouting, Kg-Lab, Pilot Plant Campaigns

Dr. Johannes Kiefl
Symrise

Present Position: Scientist R&T Flavor Division

Research Interests: Sensory Guided and Computational Discovery of Flavoring Materials, Process Development

Dr. Hendrik Helmke
Bayer AG - CropScience Division

Present Position: Herbicide Innovation Partnership Project Lead, Frankfurt, Bayer AG, Research & Development, Crop Science

Research Interests: Stereoselective Synthesis, Small Molecule Leadfinding and Optimization, Fungicide Chemistry, Herbicide and Safener Chemistry and Crop-Efficiency Research



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Industry Research - Introduced to You.

1:00 pm **Dr. Patrick Schnider** Roche
Discovery of Balovaptan, a Vasopressin 1a Receptor Antagonist for the Treatment of Autism

Dr. Oliver Busch Evonik Creavis
Innovation Partnerships @ Evonik

Prof. Dr. Dr. Andreas Hintennach Daimler AG
Zwischen Industrie und Universität:
Batterie- und Brennstoffzellforschung

3:15 pm **PhD Poster Talks** WWU Münster
Selected contributions on current research projects

3:30 pm **Postersession**
Coffee break, discussion, snacks

4:15 pm **Dr. Michael Rack** BASF SE
Fluorine Chemistry for Agrochemicals

Dr. Johannes Kiefl Symrise
Inspired By Nature -
Sustainable Development of Flavor Modifiers

Dr. Hendrik Helmke
Bayer AG, CropScience Division
Crop Science – Trends and challenges
in modern agrochemical R&D

Reception

Thursday
June 6th 2019

Lecture Hall Building, Chemistry Institutes
of the WWU Münster



Partners of the Event



symrise



DAIMLER

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Braunschweig · Dielmann · Esselen · Fernández · Gilmour · Glorius · Hahn · Hansen · Heuer · Humpf · Jose · Junker · Karst · Klostermeier · Koch · Kümmel
 Lehr · Leker · Lips · Mootz · Müller · Neugebauer · Placke · Ravoo · Rentmeister · Schönhoff · Strassert · Studer · Uhl · van Gemmeren · Winter · Wunsch

01	Barth, Maximilian	Indolylalkyl-substituted piperidine-1-carboxylates as inhibitors of fatty acid amid hydrolase and monoacylglycerol lipase
02	Börner, Melanie	Bidentate NHC-Ligands on Metal Surfaces: A Computational Study
03	Borzutzki, Kristina	Single Ion Conducting Polymer Electrolytes for Lithium Metal Batteries
04	Bruchhage, Julia	Reactivity of Al/N based active Lewis pairs
05	Bücksteeg, David	Combinatory effects of alkenylbenzenes and flavonoids on human liver carcinoma cells
06	Chen, Hao	Nondirected C-H Cyanation of Arenes
07	Clausen, Florian	Catalytic Protodeboronation of Pinacol Boronic-Esters: Formal Anti-Markovnikov Hydromethylation of Alkenes
08	Collin, Frederic	Role of the Latch Domain of Reverse Gyrase in DNA Supercoiling
09	Diddens, Diddo	Molecular Dynamics Simulations of Lithium Ion Transport in Block-Copolymer Electrolytes
10	Dobelman, Clemens	Synthesis of Polyfunctionalized Newkome-type Dendrimers for Targeted Drug Delivery
11	Escher, Daniela	Charge transfer studies of 7-deaza-6-pyrazolylpurine-containing DNA films on gold surfaces
12	Freitag, Matthias	Near IR-light driven photoredox catalysis by upconversion nanoparticle/photoredox catalyst systems
13	Furtmann, Christoph	Cell density-dependent promoters for expression of recombinant proteins in <i>Pseudomonas putida</i>
14	Gedder Silva, Daniel	Optimization of the imidazopyridine-based antitrypanosomal agents
15	Greenwood, Matthew	Analysis of Lithium-Ion and Post-Lithium-Ion Battery Value Chains
16	Gutierrez-Suburu, Matias Ezequiel	Enhancing the phosphorescence of Pt(II) complexes by surface plasmon resonance band coupling
17	Hahn, Maria	Transfer studies of secondary plant metabolites across the intestinal barrier
18	Helmer, Joschua	Mixed Si/Ge Unsaturated Germanoid Clusters
19	Henschel, Jonas	Structure elucidation of phosphorus decomposition products in the field of lithium ion battery electrolytes by means of LC-MS
20	Hermann, Eric	Molecular Analysis of the Mon1-Ccz1 GEF complex involved in membrane transport
21	Ilari, Denise	Bridged piperidines as central intermediates for the synthesis of conformationally restricted κ -opioid receptor agonists
22	Knecht, Tobias	Branch-Selective and Redox-Neutral Allylic C-H Amidation Enabled by Cp*Ir(III) Catalysis
23	Koch, Oliver	M. tuberculosis thioredoxin reductase inhibitors: A new hope for the treatment of tuberculosis?

24	Korzhenko, Oxana	Simulation of the Oxidative Metabolism of Ethoxyquin by means of Electrochemistry-MS
25	Kösters, Kristina	Quantification of phosphorus decomposition products in the field of lithium ion battery electrolytes by means of LC-MS
26	Koy, Maximilian	Palladium-Catalyzed Decarboxylative Heck-Type Coupling of Aliphatic Carboxylic Acids Enabled by Visible Light
27	Langenströer, Anja Droste, Jörn	Unraveling Concomitant Packing Polymorphism in Metallosupramolecular Polymers
28	Linde, Jenny	Synthesis of new iron complexes bearing protic NHC ligands
29	Lünne, Friederike	The ergochrome gene cluster of <i>Claviceps purpurea</i> : Isolation and structure elucidation of novel pigments
30	Martin, Benedikt	Lipase-catalyzed kinetic resolution as key step for the stereo-selective synthesis of quinoline-based κ -opioid receptor agonists
31	Meyer-Ahrens, Pascal	Genetically Encoded Homocysteine Derivatives Carrying Enzymatically Removable Protecting Groups
32	Morack, Tobias	A Radical Stetter Reaction Enabled by Merger of Ion-Pair Photocatalysis with Radical Umpolung
33	Muthmann, Nils	Combining chemical synthesis and enzymatic methylation to access short RNAs with various 5' caps
34	Naskar, Shuvankar	Light-induced formation of thymine-containing Hg(II)-mediated base pairs
35	Nguyen, Duy Thao	Patterning of N-Heterocyclic Carbenes on Gold by Microcontact Printing
36	Nickelsen, Anna	Identification of Interaction Partners for Human Protein Kinase CK2 by Cell Surface Display and Photo-Crosslinking
37	Sagebiel, Sven	Controlled Growth of Functional Polymers on Silica Particles
38	Scheipers, Ina	Pd-catalyzed Decarboxylative γ -Arylation for the Synthesis of Tetrasubstituted Chiral Allenes
39	Schlicke, Jannis	Ionic Conductivity of Polyelectrolyte Multilayers: Influence of pH and Ionic Strength
40	Schmiegel, Jan-Patrick	Development of Electrolyte Additives for Improved Performance in High-Voltage NMC/Graphite Cells
41	Schnieders, David	Tuning the Metal-Hydride Vibrational Frequency
42	Schulze-Zachau, Felix	Aqueous Polyelectrolyte Foams: Effects of Molecular Structure and Composition on Bulk, Surface and Foam Properties
43	Schütte, Larissa	Influence of secondary plant compounds on human topoisomerases
44	Tölle, Johannes	An Exact Quantum Chemical Fragmentation Method for Excited States
45	Werra, Janina	Synthesis and features of Tris(1,2,5-trimethylpyrrolyl)phosphine