Forschung der Chemischen Industrie

Invited Speakers

Dr. Paul Alsters
DSM N.V., Heerlen, Netherlands

Present Position: Principal Scientist Chemocatalysis

Research Interests: Development of scalable catalytic break-through methods for new or existing products (incl. materials).

Dr. Christian Funke
Bayer CropScience, Monheim

Present Position: Head of Process Research Monheim

Research Interests: Process Chemistry

Dr.-Ing. Karsten Wilbrand
Shell Global Solutions (Deutschland), Hamburg

Present Position: Manager Innovation Alternatives

Research Interests: Future Mobility and Alternative Fuels/Drivetrains

Dr. Horst Beck
Henkel Adhesive Technologies, Düsseldorf

Present Position: Head of Adhesives Research Bio-Renewables (Corp. Director)

Research Interests: Renewable Raw Materials for Adhesives

Dr. Matthias Nettekoven
F. Hoffmann-La Roche Ltd, Basel, Switzerland

Present Position: Principal Scientist in Medicinal Chemistry

Research Interests: Lead Identification and Lead Optimization in Drug Discovery Chemistry

Dr. Andreas Fischer
BASF SE, Ludwigshafen

Present Position: Vice President - Battery Materials Research

Research Interests: Electrochemistry, Batteries, Fuel Cells

Westfälische Wilhelms-Universität Münster

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Forschung der Chemischen Industrie

Industry Research - Introduced to You.

Thursday
May 12th 2016

Lecture Hall Building, Chemistry Institutes of the WWU Münster

SFB 858 Partner of the Event

1:00 pm **Dr. Paul Alsters** DSM N.V.
Catalysis within DSM: Improving, Changing, and Enabling Chemicals Manufacture

Dr. Christian Funke Bayer CropScience
Modern Agrochemicals: Innovative Solutions for Chemical Challenges

Dr.-Ing. Karsten Wilbrand Shell Global Solutions
Shell GTL Technology - Clean Hydrocarbon Molecules Designed from Natural Gas

PhD Poster Talks WWU Münster
Selected contributions on current research projects

3:30 pm **Poster Session**
Coffee break, discussion, snacks

4:30 pm **Dr. Horst Beck** Henkel Adhesive Technologies
Modern Developments in Adhesive Technology

Dr. Matthias Nettekoven F. Hoffmann-La Roche Ltd
From idea to medicine

Dr. Andreas Fischer BASF SE
Innovative Battery Materials Drive Electromobility

Reception
„Sektempfang“

BASF We create chemistry · BAYER · DSM Bright Science. Brighter Living. · Roche · Henkel

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FoChIn 2016 · Posterbeiträge aus den Arbeitsgruppen an der WWU Münster

Dielmann · Erker · Esselen · Fernandez · Gilmour · Glorius · Hahn · Haufe · Humpf · Jose · Karst · Klempnauer · Leker Marohn · Mootz · Müller · Neugebauer · Ravoo · Rentmeister · Schönhoff · Studer · Uhl · Waller · Winter · Wünsch

01	Barton, Dennis	On the Role of Metal Atoms in On-Surface Coupling Reactions
02	Bauer, Oliver Bolle	Quantitative bioimaging of platinum via on-line isotopic dilution-laser ablation-inductively coupled plasma-mass spectrometry (ID-LA-ICP-MS)
03	Böcker, Jana K.	Light-activated protein splicing
04	Böckermann, Till	Synthesis of Novel Cyclodextrins - ^{19}F-MRT Contrast Agents and Liquid Crystals
05	Buß, Florenz	Reversible carbon dioxide binding with electron-rich phosphines
06	Bütergerds, Dörte	pH-dependent growth behavior of polyelectrolyte multilayers
07	Dehling, Eva	Mapping protein-protein interactions in non-ribosomal peptide synthetases
08	Dietrich, Dörthe	LA-ICP-MS study to determine the distribution of cerium oxide nanoparticles after intratracheal instillation
09	Focke, Christine	Modified mycotoxins - production and metabolism studies
10	Fritz, Eva-Corinna	Addressable gold surfaces - From supramolecular polymer brushes to a light-responsive nanoparticle aggregation
11	Gouverneur, Martin	Electrophoretic NMR – A systematic study comparing Ionic transference numbers in Ionic Liquids
12	Haupenthal, Sabrina	Impact of genotoxic asarone isomers on DNA damage associated signaling cascades in liver carcinoma cells
13	Holland, Mareike, Dr.	The organocatalytic Friedel-Crafts reaction of *N*-methylindole: An unusual selectivity reversal
14	Honacker, Christian	Germanium-Chlorine Bond Activation *via* Hydroalumination with HAl^iBu_2
15	Honeker, Roman	Trifluoromethylthiolation of N-Heteroarenes and Alkenes
16	Jakobs, Anke	Inhihition of the transcription factor C/EBPbeta by sesquiterpene lactone Helenalinacetate
17	Kasnatscheew, Johannes	The truth about high voltage stability of state of the art liquid electrolytes
18	Klöcker, Hans	Synthesis and Reactivity of 3-H-Phosphaallenes
19	Kolbeck, Eva	How to communicate chemistry? - A Qualification Offer for PhD Students of the SFB 858
20	Kolek, Martin	Polymers with Redox-active Functional Groups as Cathode Material in Rechargeable Batteries
21	Krupski, Sergei	Unusual reaction pathways under frustrated P/B Lewis pair conditions
22	Leifert, Dirk	Electron Catalysis – Synthesis of 2-perfluoroalkylindol-3-imines
23	Lied, Fabian	Employing Pd-catalyzed C–H Arylation in Multicomponent-Multicatalyst Reactions $(MC)^2R$: Domino Synthesis of Dihydrobenzoquinolines
24	Matern, Julian C. J.	Chemical protein modification and other biotechnological applications: Understanding a highly optimized intein
25	Meier, Martin	Heteronuclear metal complexes from coordinated ß-functionalized isocyanides
26	Metternich, Jan Benedikt	One Photocatalyst, *n* Activation Modes Strategy for Cascade Catalysis: Emulating Coumarin Biosynthesis with (-)-Riboflavin
27	Müller, Sebastian Lars	Novel GluN2A selective ligands: Concept, synthesis, and biological evaluation
28	Muttach, Fabian	A biocatalytic cascade reaction for versatile one-pot modification of RNA
29	Nienberg, Christian	Development of screening assays for human protein kinase CK2 using the advantages of Click Chemistry
30	Özgün, Thomas	Frustrated Lewis Pairs: A New Kinetic Approach
31	Ramella, Vincenzo	Palladium-Catalyzed Difunctionalization of Indoles and Benzofurans
32	Rödle, Alexander	Self-Assembly of functional π-conjugated materials
33	Rottkord, Ulrike	Structure-activity studies with synthesized derivatives in comparison to the nephrotoxic mycotoxin Ochratoxin A – hints for understanding the mode of action?
34	Rühling, Andreas	Modular bidentate hybrid NHC-thioether ligands for the stabilization of palladium nanoparticles in various solvents
35	Schmidt, Alexander	The influence of square-planar Pt and Pd complexes on G-quadruplex DNA
36	Schüürmann, Jan	NADPH Cofactor Regeneration with Surface Displayed Dehydrogenases
37	Segler, Marwin	Modeling Chemical Reasoning to Predict and Invent Reactions
38	Simon, Hauke	Using machine learning to identify business opportunities from online content
39	Sinha, Narayan	Synthesis of Nanometer-Sized Cylinder-Like Assemblies Featuring Tris-NHC Ligands and Their Postsynthetic Modifications via Photochemical [2+2] Cycloaddition
40	Theiler, Stefanie	A new naphthalene derived building block for the pharmacokinetic optimization of PET-tracers
41	Türkyilmaz, Fatma	TEMPO Radical Addition to Conjugated Boryldienes
42	Uebel, Thomas	Development of a long-term cytotoxicity in vitro cell model using naturally occurring alkenylbenzenes
43	van Kempen, Johannes	New chiral building blocks for the synthesis and structural assignment of Asitrilobin A, an Annonaceae acetogenin, potent anti-cancer agent
44	Wiemers-Meyer, Simon	Reconsideration of Lithium-Ion Battery Electrolyte Stability - Quantification of Degradation Products by a Novel NMR Spectroscopy Method