

## Vortragende



Professor Dr. Peer Kirsch  
Merck KGaA

**Present position:** Director Liquid Crystals R&D Chemistry, Merck KGaA, Darmstadt

**Research interests:** Design and synthesis of molecular functional materials for application in LCDs and Organic Electronics. Synthesis of fluoroorganic compounds



Dr. Guido Koch  
Novartis Pharma AG

**Present position:** Novartis Institutes for Biomedical Research, Global Discovery Chemistry Basel, Director

**Research interests:** Drug Discovery, Natural Products Chemistry, New technologies



Dr. Torsten Hoffmann  
F. Hoffmann-La Roche Ltd

**Present position:** Principal leader and Deputy Director, Site Head Medicinal Chemistry Basel

**Research interests:** Medicinal Chemistry, Molecular Design, Chemical Biology, Pharmacology, Drug Metabolism and Pharmacokinetics



Dr. Michael Schelhaas  
LANXESS Deutschland GmbH

**Present position:** Lanxess, Head of Product Innovation, GF Innovation and Technology, Leverkusen

**Research interests:** Water Purification Technologies, Process Development, Interface of preparative organic & polymer Chemistry



Dr. J. Henrique Teles  
BASF SE

**Present position:** Senior Research Manager, Process Research and Chemical Engineering, Ludwigshafen

**Research interests:** Oxidation reactions, large scale processes, and as a hobby organocatalysis with NHC's and homogeneous catalysis with gold



Dr. Axel Trautwein  
Bayer CropScience

**Present position:** Head of Small Molecules Research, Bayer CropScience AG, Monheim

**Research interests:** Agrochemicals and integrated solutions for the agro business



# Forschung der Chemischen Industrie

Industry Research - Introduced to You.

Donnerstag  
16. Mai 2013

Hörsaalgebäude der Chemischen Institute  
der WWU Münster

13:00 Uhr Prof. Dr. Peer Kirsch Merck KGaA  
Fluorinated Liquid Crystals for LCD Applications

Dr. Guido Koch Novartis Pharma AG  
The Total Synthesis of (+)-Discodermolide:  
A Journey from 7 mg to 60 g

Dr. Torsten Hoffmann F. Hoffmann-La Roche Ltd  
Future Role of Medicinal Chemistry:  
Maturation to Chemical Biology

PhD Postervorträge WWU Münster  
Ausgewählte Beiträge aktueller Forschungsprojekte

15:15 Uhr Postersession  
Kaffeepause, Diskussion, Snacks

16:30 Uhr Dr. Michael Schelhaas LANXESS  
Clean Water! Deutschland GmbH

Dr. J. Henrique Teles BASF SE  
Oxidations from an Industrial Point of View

Dr. Axel Trautwein Bayer CropScience  
Modern Agrochemical Research –  
Challenges and Opportunities

anschl. Sektempfang



Posterbeiträge

1	Alfermann, Jonas	Conformational Dynamics in Nonribosomal Peptide Synthetases
2	Bachmann, Anne-Lena	Identification and characterization of a novel naturally split intein from metagenomic sources with unusual properties
3	Beiring, Bernhard	Ruthenium-NHC Catalyzed Asymmetric Hydrogenation of Thiophenes and Benzothiophenes
4	Berg, Sebastian	Dynamic Reactions of Liposomes
5	Bergmann, Dominik	A new approach for the synthesis of stable isotopically labeled fumonisins B1 standards and analysis of fumonisins in food
6	Beutel, Bernd	Novel Fluorinated Aminophosphonates as Matrix-Metallo-Proteinase (MMP) Inhibitors
7	Birka, Marvin	Quantification of Gadolinium-Based MRI Contrast Agents in Environmental Samples
8	Blaske, Franziska	Elemental Bioimaging of Nanosilver-Coated Prostheses in Bone Tissues
9	Bollacke, Andre	Biological evaluation of novel synthesized pyrrolo[1,2-a]quinoxaline derivatives as inhibitors of the human protein kinase CK2
10	Brackemeyer, Dirk	Organometallic Chemistry with DNA Building Blocks
11	Collins, Karl	Rapid Assessment of Chemical Reactions – A Robustness Screen
12	Das, Rajorshi	C- and N-polymetalated Benzimidazoles
13	Dickschat, Arne	Orthogonally Functionalized Mesoporous Silica-Nanoparticles - Postsynthetic Modification via 'Click'-Chemistry and Application in Cooperative Catalysis
14	Dreier, Anna-Lena	Ireland-Claisen Rearrangements of CF <sub>3</sub> - and SF <sub>5</sub> -Substituted Allylic Esters
15	Dresselhaus, Thomas	A Theoretical Study on Magnetic Properties of Organic Biradicals
16	Feldhaus, Philipp	Bis(dimesitylphosphanyl)butadiyne and Tris(pentafluorophenyl)borane - Formation of a Frustrated <i>Lewis</i> Pair by 1,1-Carboboration
17	Frisch, Hendrik	pH-Switchable Supramolecular Co-Polymers
18	Fromm, Olga	Neue Elektrolyte für Lithium-Ionen-Batterien
19	Gratz, Andreas	Development of a potent non-ATP-competitive inhibitor of human protein kinase CK2 by bacterial surface display library screening
20	Hartmann, Marcel	Transition-Metal-Free Oxyarylation of Alkenes with Aryl Diazonium Salts and TEMPO <sub>Na</sub>
21	Hecktor, Nick	[18F]-Flecainide - A Labeled Cardiac Sodium Channel Blocker for PET
22	Hilbig, Lars	Antileishmanial 8-Substituted Naphtho[2,3- <i>b</i> ]thiophene-4,9-diones with Reduced Cytotoxicity against Human Keratinocytes

Posterbeiträge

23	Himmelein, Sabine	Molecular recognition on the surface of cyclodextrin vesicles - from carbohydrate sensors to hydrogel materials
24	Holland, Mareike C.	Transferring Enzymatic Principles to Organocatalysis - Illuminating Non-Covalent Interactions in the MacMillan Catalyst
25	Jeschke, Steffen	Optimierte Polymerelektrolyte für Lithiumbatterien auf Basis funktionalisierter Polysiloxane
26	Jin, Xing	Reactions of Unsaturated Polynitrogen Compounds with Aluminium Reagents
27	Kumbar, Sadhana	QM/MM modeling for the metal-mediated bio-molecular system
28	Lesch, Volker	A microscopic perspective on ionic liquids for battery application: A molecular dynamics simulation study
29	Luedeker, David	SMARTER crystallography of pharmaceutical co-compounds
30	Matern, Julian	Addressing the limitations of protein trans splicing
31	Möbus, Juri	Carboboration Route to Phospholes
32	Müller, Christian	Enantioselective Haloetherifications via BINOL Phosphate Catalysis
33	Murmann, Patrick	Dual-Ionen-Technologie
34	Nimphius, Corinna	Rh(III) and Hexabromobenzene: An Unprecedented Catalyst System for a Cross-Dehydrogenative Biaryl Formation
35	Richters, Tim	Polydentate 1,2,3-triazole-based nucleosides for metal-mediated base pairs
36	Rohlmann, Renate	Organocatalyzed Nitro-Michael/Cyclization Sequence: Synthesis of Chiral 6 and 7-Ring Heterocycles
37	Prof. Marohn, Annette	Chemie verstehen
38	Rosorius, Christoph	Formal CO to Formyl Reduction Using Intramolecular P/B Frustrated Lewis Pairs
39	Schulte, Adrian	Stereoselective Bromolactamization of <i>N</i> -Functionalized Allylamines
40	Surkau, Georg	Inhibition of Tubulin Polymerization by C9-modified 10H-Anthracen-9-ones Bearing a 10-Benzylidene Moiety
41	von Bargen, Katharina	<sup>13</sup> C <sub>2</sub> -Moniliformin: Synthesis and application of an isotopically labeled standard
42	von Delft, Stephan	The Role of Collaboration and the Six Myths of Technology Transfer
43	Wertz, Sebastian	Oxidative CH-Amination of Oxazoles with TEMPO Derived <i>N</i> -Oxoammonium Tetrafluoroborate (TEMPOBF <sub>4</sub> ) as an Organic Oxidant
44	Ziegemeier, Annika	Humidity-tunable electronic conductivity of polyelectrolyte multilayers doped with Au-nanoparticles