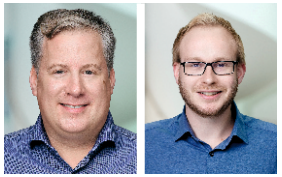
Forschung der Chemischen Industrie



Dr. Andreas Taden (left)
Henkel AG & Co. KGaA

Present Position:
Senior Scientific Principal / Head of Circular Technology Open Inno - Adhesive Technologies Electronics

Dr. Lucas Stricker (right)
Henkel AG & Co. KGaA

Present Position:
Product Development Chemist Adhesives for Electronics

Research Interests: Adhesives, Sustainability, Debonding on Demand

Dr. Ulrich Lücking
FoRxTherapeutics

Present Position: Vice President, Head of Medicinal Chemistry
Research Interests: Drug Discovery, Bioisosteres, Macrocycles, Covalent Inhibition

Dr. Eike Heilmann
Bayer AG – CropScience Division

Present Position: Head of Special Samples, Bayer AG, CropScience, Research & Development, Small Molecules
Research Interests: Metabolites, Isotope- and Radiochemistry, Scale-Up and Process Development, Alkyne- and Heteroaromatic Chemistry

Dr. Sebastian Ahles
Symrise

Present Position: Project Manager Synthesis Oral Care
Research Interests: Organic Synthesis, Ligand Receptor Interaction

Dr. Daniela Carja
Merck Electronics KGaA

Present Position: Research Scientist, Material Innovation Pipeline, Merck Electronics KGaA, Darmstadt
Research Interests: Lithography, Material Development

Dr. Jan Zaminer
BASF Coatings GmbH

Present Position: Director "Coatings Applied Research"
Research Interests: Basic Coatings Research Topics, New Mobility, Sustainability

WWU MÜNSTER

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Forschung der Chemischen Industrie

Industry Research - Introduced to You.

Thursday
May 11th 2023
Lecture Hall Building, Chemistry Institutes

CRC 1459 INTELLIGENT MATTER GDCh

Partners of the Event

12:45 pm **Get together - Postersession**

1:25 pm **Dr. Andreas Taden & Dr. Lucas Stricker**
Henkel AG & Co. KGaA
Advanced Adhesive Technologies for a Circular Economy

Dr. Ulrich Lücking FoRxTherapeutics
Look what was built with sulfoximines!

Dr. Eike Heilmann Bayer AG – CropScience Division
Total Synthesis of Natural Debris

PhD Poster Talks WWU Münster
Selected contributions on current research projects

3:15 pm **Postersession**
Coffee break, discussion, snacks

4:15 pm **Dr. Sebastian Ahles** Symrise
Cooling Compounds: From Menthol to a Fresher Future

Dr. Daniela Carja
Merck Electronics KGaA
Fluorochemicals in photolithography - Why it is so difficult to do without them

Dr. Jan Zaminer
BASF Coatings GmbH
From Science to Applied Surface Solutions

5:45 pm **Poster awards**

6:00 pm **Reception**
Beer & Pretzel

Contact: Prof. Dr. Frank Glorius
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phone +49 251 83-33211 | www.wwu.de/chemie.oc/

FoChIn 2023 · Poster Contributions from Research Groups at the WWU Münster

Bermúdez · Braunschweig · von Delft · Esselen · Fernández · García-Mancheño · Gilmour · Glorius · Hayen · Hebenbrock · Heuer · Humpf · Jose Junker · Kalinin · Kalinina · Karst · Kleiner · Klostermeier · Koch · Kröger · Kümmel · Lehr · Lips · Mootz · Müller, J. · Næsborg · Neugebauer Ravoo · Rentmeister · Salinga · Schmidt · Schönhoff · Studer · Temme · Wegner · Wünsch, B. · Zeier

01	Arndt, Niklas	Photoresponsive Wetting of Glass and Silicon Surfaces *via* Arylazopyrazole containing SAMs and Polymer Brushes
02	Arnold, Amelie	Isolation of oligomeric proanthocyanidins from chokeberry (*Arnonia prunifolia 'Nero'*) and characterization via high-resolution mass spectrometry analysis
03	Brückner, Lea / Lipinski, Sarah	Mass Spectrometry Based Analysis of Nutritionally Relevant Food Contaminants
04	Chowdhury, Somenath Roy	Role of Species Specific Elements in Modulating Gyrase Function
05	Donsbach, Pascal	Inter-domain communication in the dimeric DEAD-box helicase Hera from *T. thermophilus* and the implications for the mechanism of RNA unwinding
06	Einerhand, Judith	2,4-Dichlorbenzyl-substituted indoles as cPLA2α inhibitors
07	Erbacher, Catharina	Rapid Screening of Protein-Metallodrug-Interactions using Online Digestion and Trapped Ion Mobility Spectrometry-Mass Spectrometry (TIMS-MS)
08	Frank, Amelie	Dietary biomarkers - new approaches to evaluate nutritional status using LC-MS/MS analysis
09	Gesing, Katrin	Surface display and engineering of laccase CotA for an increased growth of *Pseudomonas putida* on lignin
10	Göldner, Valentin	Analysis of Electrode-Electrolyte Interphases in Lithium Ion Batteries using Laser Desorption/Ionization-Mass Spectrometry
11	Grey, Lucie	ADME properties and biodistribution of a novel P2X7 receptor antagonist
12	Gutheil, Christian	Geometry-Tailored, Self-Assembled Monolayers of N-Heterocyclic Carbenes by Kinetic Control
13	Hardebeck, Sarah	A Fret-based assay for the characterization of Proliferating Cell Nuclear Antigen (PCNA)/p15 interaction
14	Hellmann, Lars	Optimized Auxiliary Basis Sets for Long-Range Exchange Contributions using the Cholesky Decomposition
15	Hoffmann, Arne	Comparative S-adenosyl-L-methionine analogue generation for selective biocatalytic Friedel-Crafts alkylation
16	Höhl, Meike C.	A novel Phosphorous Rhodamine for Optical Voltage Sensing
17	Homberg, Samuel	Explainable AI for Graph Neural Network Applications in Computational Drug Discovery
18	Humberg, Christoph	Cysteine-less Split Inteins for the Engineering of Functionalized Nanobodies
19	Jeyaseelan, Rubaishan	Photocyclization Driven by an Upconversion Pair
20	Ji, Yuhao	Self-Regulated and Bidirectional Communication in Synthetic Cell Communities
21	Kampschulze, Jan	ω-(diaryltriazoyl)alkyl-substituted glycinamides with a novel mechanism for the inhibition of plasma amine oxidase
22	Katzenburg, Felix	EvoMPF – An Evolutionary Multi-Pattern Fingerprint Exhibiting Native Interpretability
23	Ketter, Lukas	Approaching All-solid-state batteries
24	Keuper, Alica / Fengler, Kevin	High Enantioselectivity in Halogen-Bonding Catalysis via Fine-tuned Interactions
25	Kimms, Len	Investigation of Dendrite Growth in Lithium Metal Batteries by Simulation and Experiment
26	Kroos, Simon	Water (in)soluble platinum(II) complexes of tridentate ligand as selective guanine quadruplex binders
27	Lampe, Lukas	Accurate Yet Fast Reaction Energies for Large Chemical Systems with Multi-Level Coupled-Cluster Methods
28	Lenz, Tabea	Boronate-containing aza-crown ethers
29	Lorenz, Martin	Investigation of highly concentrated mixed-anion salt-in-Ionic-Liquid electrolytes
30	Lutsch, Mika	Biologically active cyclic tetra peptides derived from genetically modified fungi Fusarium fujikuroi
31	Martinez Manjarres, Alejandro	Supramolecular Polymers Based in Halogen-bond interactions
32	Massa, Joana	KCa3.1 Channel: Computational Analysis of Three Known Toxin Inhibitors Towards New Extracellular Inhibitors
33	Mönich, Caroline	Ion Transport in Crosslinked Acrylate Gel Electrolyte Systems
34	Moschref, Cijam	Amido-Substituted Low-Coordinate Silicon Compounds and Silicon Clusters
35	Münchow, Jens	Modulation of the CatSper ion channel - Paving the way for male contraceptives?
36	Muschiol, Elisabeth	Lithium Ion Battery Electrolyte Additives – Better Performance but Increased Health Risk?
37	Onneken, Carina	Deracemization of Cyclopropanes by Al-Salen Photocatalysis
38	Paetow, Lukas	Influence of Oriented Electric Fields on Excited-State Properties: Comparison of TDDFT and Delta-SCF-Results
39	Perulli, Stefania	Hydrogen-bond donor enabled photocatalytic intramolecular [2+2]-cycloaddition reaction
40	Platte, Simon	Synthesis and Biological Activity of 4-Aminopiperidine-based Inhibitors of Blood Coagulation Factor XIIa
41	Pölderl, Gianna	Micellar Effects on Photocatalysis
42	Possart, Katharina	Natural Products as Dual Inhibitors of the Trypanosomatid Pteridine Reductase 1 and Dihydrofolate Reductase
43	Quest, Michael	Activation of Element-H Bonds using an unsaturated Silicon Ring Compound with Zwitterionic Character
44	Radhoff, Niklas	Radical aryl migration strategies for the construction of α-quaternary amides
45	Rasche, René	(Bio)chemical control of the small GTPase Ral
46	Ratschmeier, Björn	CO_2 Electroreduction Reactions at Gold and Copper Electrodes in Ionic Liquids
47	Reimler, Jannik	Radical/Radical Cross-Coupling in Cooperative NHC/Photoredox Catalysis
48	Rickhoff, Jonas	Photocontrol over macroscopic features of single-crystal MOFs containing azoheteroarenes as responsive building blocks
49	Salinga, Martin	Materials for brain-inspired computing
50	Schäfer, Lizanne	*Pachysandra terminalis* as a source of antiprotozoal compounds – Isolation of a new megastigmane alkaloid
51	Schlegel, Katja	Tackling (oral) bioavailability of novel $P2Y_2R$ antagonists
52	Schmidt, Stephan	Switching on P2X7 Antagonism: N-acylhydrazone-based P2X7 Receptor Ligands
53	Schneider, Svenja	Lipid analysis in cereals: Identification and quantification using combined techniques with supercritical fluid chromatography
54	Scholz, Johannes	Two-dimensional heart-cut HPLC for the automated preparation of complex samples
55	Schreiber, Ulrich	Lupine Alkaloids as Food Contaminants: Investigation of Mutagenic Potential
56	Siebold, Kathrin	Leveraging Fluorine Directed Sialylation in the Stereoselective Synthesis of Meningitidis Type C Epitope
57	Siutkina, Alena	Synthesis, Structure, and Biological Activity of Novel 6-Methoxy-5,6-dihydro-5-azapurines
58	Sprysch, Ayleen	Dyes in Fluorescence Microscopy - A Student Lab Unit with Model Experiments
59	Teng, Zhenjie	Novel, Co free Fe based layered oxides as cathode materials in Li ion batteries
60	Weissenböck, Florian Peter	*FlashCaps* a Tool for Spatio-Temporal Control of mRNA Translation
61	Wesselkämper, Jannis	A battery value chain independent of primary raw materials: Towards circularity in China, Europe and the US
62	Wunsch, Friederike / Jokiel, Johannes	Smarter Models, Better Drugs - How to grasp dynamics of protein-ligand interactions in drug design