

Tag der Chemie am 07.02.2025

Vortragsprogramm

(Emil-Figge-Straße 50)

Vortragsdauer: 10 min + 5 min Diskussion/Wechsel, Flash Talk: 2 min

08:15 – 08:45		Aufhängen der Poster (Foyer EF 50)	
		Hörsaal 2	Hörsaal 3
08:45 – 08:50	Begrüßung durch den Dekan Prof. Dr. Stefan Kast		
Sessionleitung	Prof. Dr. Insa Melle		
08:50 – 09:50	Poster Flash Talks		
09:50 – 10:15	Kaffeepause		
Sessionleitung	Prof. Dr. Hannes Mutschler	Prof. Dr. Susanne Brakmann	
10:15 – 10:30	1V Supporting First-Year Students in Learning Redox Chemistry: Moving from Subject-Specific Challenges to Developing Appropriate Interventions Jasmin Kneuper/DC (Melle)	2V Identification of Covalent and Non-Covalent Readers of 5-Formylcytosine Zeyneb Cakil /CB (Summerer)	
10:30 – 10:45	3V Embedding of Feringa's Unidirectional Motor into a Coordination Cage Björn Schmidt/AC (Clever)	4V Immobilisation of the MacMillan Catalyst on Block Copolymers and its Application in Diels Alder Reactions Wibke Langenkamp /OC (Weberskirch)	
10:45 – 11:00	5V Chemo-Optogenetic Exploration of the Liganded Branch of EGFR/PTP Signaling Dynamics Samrajni Ghosh/CB (Bastiaens)	6V Developing Integrative NMR and Computational Methods for the Understanding of Carbonic Anhydrase II Tye Isaac Gonzales/PC (Linser)	
11:00 – 11:15	7V Single-Molecule Spectroscopy & Super Resolution Microscopy at the Lab Bench Gustavo Gabriel Moya Muñoz/PC (Cordes)	8V Conformation Dependent Emission and Circularly Polarized TADF in Linear CDP Copper (I) Complexes Indranil Sen/AC (Steffen)	
11:15 – 12:30	Poster-Session (Foyer EF 50) mit Kaffee/Tee		
12:30 – 13:30	Mittagspause		
Sessionleitung	Prof. Dr. Boris Pfander	Dr. Elisabeth Kreidt	
13:45 – 14:00	9V Free Energy Landscapes Governing Concerted Ion Transport Through Potassium Channels Jan Borchert/PC (Kast)	10V Thinking Outside the Box: Rational Design of a Chiral-at-Metal Dirhodium Catalyst for Asymmetric Cyclopropanations Matthias Peeters/OC (Fürstner)	
14:00 – 14:15	11V Insights into the Mechanism of Anionic Polymerization Annika Schmidt/AC (Strohmann)	12V Transduction of Cell Contraction Signals by the Rho Effector Kinase ROCK1 Carolin Gierse/CB (Dehmelt)	
14:15 – 14:30	13V New Architectures for N-Heterocyclic Olefins - Synthesis and Reactivity Robin Esken/OC (Hansmann)	14V Novel Hybrid Glasses Via Ligand Exchange and Addition Reactions in Melts Jan-Benedikt Weiß/AC (Henke)	
14:30 – 14:45	15V On How to Tame the Beast: Towards a High-Throughput Plasma Focused Ion-Beam Pipeline for Structural Biology Elisa Lisicki/CB (Raunser)	16V Shedding Light on the Electronic Structure of a Novel Triplet-Vinylidene with Hyperfine Spectroscopy Sergius Boschmann/PC (Kasanmascheff)	
14:45 – 15:15	Kaffeepause		
Sessionleitung	Dr. Sebastian Zühlke	Dr. Matthias Müller	
15:15 – 15:30	17V A Switchable Analyte as a Key Player in Guest Binding and Release Cycles with Charge-Neutral Zinc-Based Containers Malavika G. Kalarikkal/AC (van Craen)	18V Sequence Specific Detection of RNA Modifications by Mass Spectrometry Shanice Jessica Hermon/CB (Becker)	
15:30 – 15:45	19V Holistic Sustainability Analysis Enables Scalable Hybrid Detergents Aggregation Behaviour of Ionic Surfactants Jan-Simon Behnke/CB (Urner)	20V A Biomimetic Platform to Vascularize Brain Organoids Patrick Günther/DOLCE (Trappmann)	
15:45 – 16:00	21V Stimulation of Natural Killer Cell Responses by Different Activating Ligands Luca Kröll/IfaDo (Watzl)	22V Mass Spectrometric Analysis of Small-Molecule-Induced Alterations in Protein Polyubiquitination Siska Führer/CB (Gersch)	
16:00 – 16:15	23V Targeting Drug-Resistant GIST: Design, Synthesis, and Biological Evaluation of Covalent Kinase Inhibitors Giorgia Mancino/CB (Rauh)		
16:15 – 16:35	Abhängen der Poster (Foyer EF 50)		

Poster

Anorganische Chemie

- 1P **Binnenbrinkmann, Tamara**
Modular Approaches for Understanding Lanthanoid CPL
- 2P **Ludwigs, Kathrin**
Strategies for Structure Elucidation in DNA G-Quadruplexes and i-Motifs
- 3P **Ocklenburg, David**
Modification of Charge-Neutral Containers for Oxalate Recognition and Guest-Driven Cage Formation
- 4P **Prüfer, Andreas**
Understanding Thermally Activated Delayed Fluorescence: A Critical View on the Energy Gap
- 5P **Schrimpf, Tobias**
Experimental Insights into the Nature of Weak and Strong Iodine Amine Interactions
- 6P **Schürmann, Dagmar**
Cooperative Carbon Dioxide Capture with Porous Liquids Based on Amine-Functionalized MOF Nanoparticles

Chemische Biologie

- 7P **Alker, Katharina**
Establishing a Dynamic Light Scattering Workflow to Investigate the Aggregation Behaviour of Ionic Surfactants
- 8P **Bigler, Katrin**
Engineering DNA Duplex Readers for Mapping TET-generated CpG Dyad Modifications in Mammalian DNA
- 9P **Gosh, Samrajni**
Chemo-optogenetic Exploration of the Liganded Branch of EGFR/PTP Signaling Dynamics
- 10P **Kipka, Gian**
Fluorescent Chemical Probes Visualize Deubiquitinase Activity in Living Cells
- 11P **Kühling, Cedrik**
Synthesis of ADP-Ribose Analogues Catching Mono- and Poly-ADP-Ribose Readers
- 12P **Lüttig, Ricarda**
Role of Rap GTPases in Directional Cell Migration
- 13P **Nwosu, Noemi Ezinne**
Functional Characterization of a Highly Active Artificial Group II Intron
- 14P **Pervanidis, Alexandros**
Targeting Akt Isoforms with Covalent Allosteric Inhibitors: Design, Synthesis, and Biological Evaluation

Organische Chemie

- 15P **Aman, Max**
A Mixed Chelating P/Diazoalkene-Ligand - Reactivity and Coordination Chemistry
- 16P **Lin, Davy**
The Total Syntheses of Scabrolide B, Sinuscalide C, Ineleganolide and Horiolide
- 17P **Over, Shenja Fabienne**
Synthesis of DOTA/SiFA-Bifunctionalized Nanoparticles for Potential Application in Radiotheranostics
- 18P **Podlesny, Adrian**
Ex-Chiral-Pool Total Synthesis of Daucaene, Isodaucaene and Nordaucaene Sesquiterpenoids

Physikalische Chemie

- 19P **Gocke, Viktoria**
Alternative- or Mis-Metallation? That is the Question
- 20P **Lu, Siyu**
Utilizing Supramolecular Chemistry to Establish Functional Dyes
- 21P **Roy Acharyya, Suchandra**
Study of the Allosteric Network within p38 Kinase Alpha
- 22P **Sendzik, Fabian**
Solvent-Controlled Separation of Integratively Self-Sorted Pd₂L^A₂L^B₂ Coordination Cages

Didaktik der Chemie

- 23P **Bergander, Nils**
A Digital Learning Environment for Discovering Chemical Equilibrium: Impact of Self-Regulation and Goal Transparency

DOLCE

- 24P **Deiser, Anja**
Chromatin Changes at DNA Breaks
- 25P **Schröter, Inka**
Regulation of Cancer Cell-Blood Vessel Interactions by the Physical Properties of the Extracellular Matrix

IfADo

- 26P **Flegel, Anke**
NK Cell Activity in 3D Cell Culture Systems

GDCh JCF

- 27P **Gehrmann, Alisa und Schmidt, Annika**
Vorstellung des GDCh JCF

Akademische Abschlussfeier

Emil-Figge-Straße 50 / Hörsaal 1

17:30 Uhr

Begrüßung durch **Prof. Dr. Stefan Kast**

Festvortrag von **Prof. Dr. Max Martin Hansmann**

Verleihung Bayer-Promotionspreise

Ehrung Absolvent:innen

Ehrung Jahrgangsbeste

Verleihung Poster-/Vortragpreise

Verleihung Lehrpreis (Fachschaft)

ca. 19:30 Uhr

Ende