

Tag der Chemie am 13.02.2026

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. Claus Czeslik	Prof. Dr. Susanne Brakmann
10:15 – 10:30	1V Fostering Decision-Making-Skills in Chemistry - Evaluating Hydrogen as a Vehicle Fuel Jana Blome-Rohrbach/DC	2V Modulating the Activity of TET Dioxygenases through small Molecule Inhibitors Lejla Maksumic/CB
10:30 – 10:45	3V Cooperative Carbon Dioxide Capture with Porous Liquids based on Amine-Functionalized MOF Nanoparticles Dagmar Schürmann/AC	4V A Fluorescence-Based Platform for Monitoring Osmolyte Transport Hongbin Wu/PC
10:45 – 11:00	5V hmU-seq: Genome Wide Profiling of 5-Hydroxymethyluridine Marlon Zambrano/CB	6V Collective Total Synthesis of Liverworts-Derived Cembrane Diterpenoids Albert Hermann/OC
11:00 – 11:15	7V New Reagents for Organic Synthesis - CCO-Fragment Transfer Julian Hauda/OC	8V Azobenzenes: Photochromic Antennas for Lanthanoids? Christoph Schwab/AC
11:15 – 12:30	Poster-Session (Foyer EF 50) mit Kaffee/Tee	
12:30 – 13:30	Mittagspause	
Sessionleitung	Dr. Sebastian Zühlke	Prof. Dr. Ralf Weberskirch
13:45 – 14:00	9V Unusual Activities of Natural and Artificial Group II Introns Noemi Nwosu/CB	10V Novel Strategies in Labeling and Resonance Assignment for Protein NMR Spectroscopy Dorothea Dierks/PC
14:00 – 14:15	11V Ligand-Centric Design of NIR Emission: Theory and Implementation in Linear N-Heteroaryl Carbene Complexes Aleksandar Radojicic/AC	12V Everything in its Right Place: Organization of the Z Disc Architecture in Mammalian Skeletal Muscle Tissue through Cryo-Electron Tomography Adriana Prajica/CB
14:15 – 14:30	13V Insights from the First NFDI4Chem/euroSAMPL Blind Prediction Challenge Nicolas Tielker/PC	14V Selective 1'-Lithiation of Planar-Chiral Ferrocenes Enabled by Switchable Coordination: The Effect of a Silyl - Methoxy Group Paul Erik Schneider/AC
14:30 – 14:45	15V Design, Synthesis and Biological Evaluation of Covalent Akt Isoform-Selective Inhibitors Alexandros Pervanidis/CB	16V Impact of Matrix Charge Density on Cortical Brain Organoid Morphogenesis Nadeshda Kataev/DOLCE
14:45 – 15:15	Kaffeepause	
Sessionleitung	PD Dr. Leif Dehmelt	Dr. David van Craen
15:15 – 15:30	17V Coordination Cages Based on Photo-Redox Catalysts Lars Hebenbrock/AC	18V Distinct Valence States in Minimal [FeFe]-Hydrogenases Sergius Boschmann/PC
15:30 – 15:45	19V DNA Origami Nanoagents for Anti Tumour Therapy Riya Nair/CB	20V Using Fluorescent Reporter Proteins to Illuminate DNA Repair Johannes Heipke/DOLCE
15:45 – 16:00	21V Tumor - NK Cell Interactions in 2D vs. 3D Cell Culture Systems Anke Flegel/IfaDo	22V Elongating Hydrocarbon Tails in Triglycerol Detergents Improve Membrane Protein Stability Katharina Alker/CB
16:00 – 16:20	Abhängen der Poster (Foyer EF 50)	

Poster

Anorganische Chemie

- 1P** **Krittametaporn**, Nuttaporn
Luminescent Chiral Molecular Glasses by Melt-Quenching Enantiopure BINAP
- 2P** **Risken**, Robin
Brominated Pyrrole-Hemithioindigos and Pyrrole-Hemioxyindigos
- 3P** **Roby**, Aiswarya
Metallo-Salen-Based Self-Assembled Rings and Cages
- 4P** **Ünal**, Lilith
Exciplex Formation Leading to Stimuli-Responsive Phosphorescence of Copper(I) Complexes
- 5P** **Wappelhorst**, Jan-Frederick
Multi-Lithiation of Aromatic Compounds in Nonpolar Solvents at High Temperatures

Chemische Biologie

- 6P** **Brüne**, Leonie
Translating 2'-Fluorinated Messenger RNA
- 7P** **Bharadwaj** Pranav / **Moisieiev** Anton
Silicified DNA Origami as Enzyme Hosting Microcompartments
- 8P** **Keliuotyte**, Kotryna
Detection of Oxidized 5-Methylcytosine Modifications in CpG Dyads via Chemical Nucleobase Modification and Engineering Methyl-CpG-Binding Domains
- 9P** **Mancino**, Giorgia
Exploring Covalent and Non-Covalent Strategies for KIT/PDGFR α Inhibition in GIST: a Structure-Based Approach
- 10P** **Raveena**, Raveena / **Ramadas**, Bhavana
Site-specific incorporation of modified genetic building blocks into DNA
- 11P** **Seewald**, Marc
Conjugation of Detergent with Chlorpromazine Enables Water Solubility and Cell Selectivity
- 12P** **Shahin**, Ahmed
Design and Synthesis of Mesoionic-Based Covalent Allosteric Inhibitors for Selective AKT Suppression

Organische Chemie

- 13P** **Celik-Bicici**, Kübra
Croconic Acid Amides as New Redox-Active Materials for Polymer-Batteries
- 14P** **Renken**, Luis
Asymmetric C-H Activation by Gem-Hydrogenation
- 15P** **Roszbach**, Patrick
Modular Synthesis of Furotropones

Physikalische Chemie

- 16P** **Acharyya**, Suchandra
Dynamic Allostery of p38 Kinase Alpha
- 17P** **Chodun**, Christian
Physics-informed ML hydration free energy models: Physicality matters
- 18P** **Maksutova**, Daria
A Framework for Systematic Fluorophore Labeling of Proteins DEER - More than just Distances

Didaktik der Chemie

- 19P** **Kneuper**, Jasmin
Connecting Knowing and Doing: A Digital Learning Unit Combining Videos and Exercises for Undergraduate Chemistry

IfADo

- 20P** **Recknagel**, Sarah
The Role of Different Granzymes for Natural Killer Cell Function

DOLCE

- 21P** **Erdenebat**, Chimeg
Characterization of Replisome Plasticity Upon Replication Stress
- 22P** **Vickus**, Anne
Regulation of breast cancer cell-blood vessel interactions by the physical properties of the extracellular matrix

Akademische Abschlussfeier

Emil-Figge-Straße 50 / Hörsaal 1

17:30 Uhr	Begrüßung durch Prof. Dr. Stefan Kast
	Festvortrag von Prof. Dr. Amelie Heuer-Jungemann
	Verleihung Bayer-Promotionspreise
	Ehrung Absolvent:innen
	Ehrung Jahrgangsbeste
	Verleihung Poster-/Vortragpreise
	Verleihung Lehrpreis (Fachschaft)
ca. 19:30 Uhr	Ende