

Program

Monday	23 rd of September
12.00	Registration opens
14.00	Welcome addresses by the organizers
Session 1 (Chair: Michael Giese)	
14.15	Urs Gellrich <i>Combining Frustrated Lewis Pair Reactivity with Boron-Ligand Cooperation: Reversible Hydrogen Activation and gem selective dimerization of terminal alkynes by a Pyridonate Borane Complex</i>
14.40	Ivan Vilotijevic <i>The Diverse Chemistry of Allyl Diazo Compounds</i>
15.05	Christoph Hirschhäuser <i>Lessons Learned on the Path towards a Unified Strategy for Carbohydrate Synthesis</i>
15.30	Coffee break
Session 2 (Chair: Jens Voskuhl)	
16.00	Frank Biedermann <i>Sensing with Cucurbit[n]urils – via Rational Design towards Applications</i>
16.25	Matthew Hopkinson <i>New Strategies to Prepare Fluorine-Containing Organic Molecules</i>
16.50	Stephanie Kath-Schorr <i>Illuminating RNA by foreign letters</i>
17.15	Hajo Kries <i>Biosynthetic design of nonribosomal peptides</i>
17.40	BBQ and beer
Tuesday	24 th of September
Session 3 (Chair: Manuel Tsotsalas)	
9.00	Manuel M. Müller <i>Chemical Biology Approaches to Investigate Spontaneous Protein Backbone Modifications</i>

9.25 Jan Phillipp Wagner
An Intramolecular Hydrogen Atom Transfer in a Peroxy Radical

9.50 Dorian Didier
Boron-Relayed Strategies for C-C Bond Forming Reactions

10.15 Coffee break

Session 4 (Chair: Christian Merten)

10.35 Stephan M. Hacker
Electrophiles Targeting Diverse Proteinogenic Amino Acids for the Residue-specific, Proteome-wide Mapping of Ligandable Sites

11.00 Manuel Tsotsalas
Taylor-Made Organic Biomaterials

11.25 Jan von Langermann
Development of an integrated crystallization-transaminase process for the continuous synthesis of chiral amines

11.50 Lunch Break (Mensa)

Session 5 (Chair: Stephanie Kath-Schorr)

13.30 Golo Storch
Designed Flavin-Based Catalysts: Towards Site-, Chemo-, and Stereo-Selective Transformations

13.55 Claudia Jessen-Trefzer
Targeting the mycobacterial membrane with photosensitizers

14.20 Ruben Ragg
Wiley-VCH, ChemBioChem

14.55 Coffee break

Session 6 (Chair: Jochen Niemeyer)

15.10 Phillipp Klahn
Design, synthesis and evaluation of extracellular-targeted drug conjugates and smart fluorescent dyes

15.35 Sonja Pullen
Catalysis in Confined Space – From Metal-Organic Frameworks to Supramolecular Coordination Cages

16.00	Pierre Stallforth <i>Natural Products from Predator-Prey Interactions</i>
16.25	Christian Merten <i>VCD spectroscopy as tool to investigate substrate binding in asymmetric catalysts</i>
16.50	Short break to grab beer & pretzel
17.00	Benjamin List
18.30	Departure for Dinner (Brauhaus Dampf) via Subway Adress: Heinrich-Brauns-Straße 9-15, 45355 Essen

Wednesday 24th of September

Session 7 (Chair: Pierre Stallforth)

9.30	Johannes Notni <i>PET-Imaging of Various Integrin Subtypes</i>
9.55	Anzhela Galstyan <i>Turning photons into drugs: advanced photoactive compounds and interfaces in the resistance era</i>
10.20	Clemens Mayer <i>Repurposing reprogrammed translation to identify and tailor biocompatible catalysts</i>
10.45	Coffee break

Session 8 (Chair: Ivan Vilotijevic)

11.00	Xinlai Cheng <i>NHC-Gold Compounds Induce Immune Suppression via AHR-TGFβ1 Signaling</i>
11.25	Adrián Gómez-Suárez <i>Light-Mediated Formal Deoxyfluorination of Tertiary Alcohols</i>
11.50	Oliver Thorn Seshold <i>Chemical probes for the redox biology of disulfide oxidoreductases</i>
12.15	Closing remarks