

Organization: [Helmholtz Drug Research Initiative](#)

HelmholtzZentrum münchen
German Research Center for Environmental Health

Program

Thursday, April 26, 2018

Talks: 20+5 min, Short talks: 10+5 min

12:45	Welcome Mark Brönstrup, Martin Göttlicher, Michael Sattler
	SESSION 1 – Lead discovery Chair: Mark Brönstrup (HZI Braunschweig)
13:00	Jens-Peter von Kries (FMP Berlin) <i>A short story of chemical biology</i>
13:25	Christopher J. Schofield (University of Oxford) <i>Targeting metallo-enzymes for antibiotic resistance and human diseases</i>
13:50	<i>Short talk:</i> Andreas Martin Kany (Helmholtz Institute for Pharmaceutical Research Saarland – HIPS) <i>Development of inhibitors targeting elastase (LasB) from Pseudomonas aeruginosa and collagenase H (ColH) from Clostridium histolyticum</i>
14:05	<i>Short talk:</i> Thomas Conlon (Helmholtz Zentrum München) <i>A novel therapeutic target inhibition of Oxysterol pathways diminishes immune pathogenesis of chronic obstructive pulmonary disease (COPD)</i>
14:20	<i>Short talk:</i> Elena De Vita (DKFZ Heidelberg) <i>Development and characterization of small molecule KLK6 inhibitors</i>
14:35	Ralf Mazitschek (Harvard Medical School) <i>Chemogenomic approaches to spatiotemporal regulation of HDAC activity</i>
15:00	<i>Coffee Break</i>
	SESSION 2 – Novel targets and deconvolution Chair: Aubry Miller (DKFZ Heidelberg)
15:30	Herbert Waldmann (MPI Dortmund) <i>Chemotype - Phenotype – Target</i>
15:55	Stephan Sieber (TU München) <i>Chemical proteome mining to fight multiresistant bacteria</i>
16:20	<i>Short talk:</i> Harald Schwalbe (JWG Universität Frankfurt) <i>Surprises in inhibitor development: Towards Eph-receptor inhibitors</i>
	SESSION 3 – Structure-based and computational drug discovery Chair: Oliver Plettenburg (Helmholtz Zentrum München)
16:35	Anna Hirsch (Helmholtz Institute for Pharmaceutical Research Saarland – HIPS) <i>Exploring hit-identification strategies for anti-infective development</i>
17:00	Grzegorz Popowicz (Helmholtz Zentrum München) <i>Glycosomal transport inhibition - a novel strategy against Trypanosoma parasites</i>
17:25	<i>Coffee Break</i>
17:55	Gisbert Schneider (ETH Zürich) ITN AEGIS Lecture <i>The automation of drug design</i>
18:20	<i>Short talk:</i> Christian Feiler (Helmholtz Zentrum Berlin) <i>Crystallographic fragment-screening (CFS) at the macromolecular beamlines at BESSY II operated by Helmholtz Zentrum Berlin</i>
18:35	Wolfgang Jahnke (Novartis) <i>NMR in drug discovery: From hit finding to mechanism of action</i>
19:00	<i>Buffet Dinner</i>
19:30	–
	POSTER SESSION
21:00	

Friday, April 27, 2018

SESSION 3 cont'd – Structure-based and computational drug discovery Chair: Eugenio Fava (DZNE Bonn)	
9:00	Elisabetta Chiarparin (Astra Zeneca) <i>The role of free ligand conformations in Structure based design of protein-protein interaction inhibitors</i>
9:25	<i>Short talk: Felix Hausch</i> (TU Darmstadt) <i>Selective FKBP51 ligands by conformation-specific binding</i>
9:40	<i>Short talk: Thorsten Berg</i> (Leipzig University) <i>Natural product-inspired development of selective small-molecule inhibitors of the transcription factor STAT5b</i>
9:55	<i>Short talk: Lisa Diez</i> (MDC Berlin) <i>Structure-based discovery of amyloid-β nucleation modulators using a fluorescence polarization-based aggregation assay</i>
10:10	Andreas Bender (University of Cambridge) <i>Chemical and biological data - from compound selection to mode of action analysis (and back again)</i>
10:35	Coffee Break
SESSION 4 – Chemistry for probing biology Chair: Jens-Peter von Kries (FMP Berlin)	
11:05	Thomas Mayer (University of Konstanz) <i>Chemical biology approach to investigate mitosis in mammalian cells</i>
11:30	<i>Short talk: Alexander Pautsch</i> (Boehringer Ingelheim) <i>Discovery of a selective probe for the citrate transporter SLC13A5</i>
11:45	Kai Johnsson (MPI Heidelberg) <i>Fluorescent and bioluminescent sensor proteins</i>
12:10	<i>Short talk: Andreas Brunschweiler</i> (TU Dortmund) <i>Synthesis strategies to genetically tagged small molecule libraries</i>
12:25	Dorothea Fiedler (FMP Berlin) <i>Elucidating the functions of inositol pyrophosphate messengers with chemical tools</i>
12:50	Lunch buffet
SESSION 5 – Peptides & more Chair: Michael Bader (MDC Berlin)	
13:45	Peter Seeberger (MPI Potsdam) <i>Glycoconjugate vaccines against bacterial infections based on synthetic glycans</i>
14:10	Christian Hackenberger (FMP Berlin) <i>The power of chemoselectivity: Functional antibody-conjugates for extra- and intracellular targeting</i>
14:35	<i>Short talk: Armin Bauer</i> (Sanofi-Aventis) <i>Evaluation of the tetrapeptide GE81112A: Total synthesis, structure revision and in-depth lead profiling</i>
14:50	Annette Beck-Sickinger (Leipzig University) <i>Peptide drugs to target GPCR - state of the art and innovative application</i>
15:15	Announcement of poster prizes END/FAREWELL Mark Brönstrup, Martin Göttlicher, Michael Sattler
15:45	-
18:00	Free Satellite workshop "Modeling for Anyone", BioSolveIT <i>E-Mail registration through conference web page</i>