

Frontiers in Medicinal Chemistry
March 16 – 19, 2014 in Tübingen
as of January 24

SCIENTIFIC PROGRAM	
Sunday, March 16, 2014 Neue Aula: Audimax und Wandelhalle	
18.00	Welcome to „Frontiers in Medicinal Chemistry“
18.30	Opening Lecture: Towards patient-specific cancer immunotherapy <i>Hans-Georg Rammensee (University Tübingen)</i>
19.30	Get-together
Monday, March 17, 2014 Campus Morgenstelle N5	
Oncology – Personalized Therapy	
8.30	“Cancer Pharmacogenomics: Impact and future perspectives” <i>Matthias Schwab (IKP Stuttgart)</i>
9.10	“Development of Copanlisib (BAY 80-6946): A Novel PI3K α / δ Inhibitor” <i>William Scott (Bayer Hanover)</i>
9.50	“Targeting Drug Resistance in Mutant EGFR Lung Cancer” <i>Daniel Rauh (University Dortmund)</i>
10.30	Coffee Break
11.00	“Medicinal Chemistry, Biology and Pharmacology of Selective Inhibitors of CDK9” <i>James Sutton (Novartis Emmeville)</i>
11.40	LY2835219. A CDK4/6 dual inhibitor with unique pharmacology and physicochemical properties <i>Concepcion Sanchez (Lilly Spain R&D center)</i>
12.20	“Genomics-based cancer medicine” <i>Roman Thomas, (University of Cologne)</i>
13:00	Lunch
13.30	Poster Session
Monday, March 17, 2014 Highlights in Technology and Medicinal Chemistry I	
15.00	"Total synthesis of antibacterial natural products and SAR studies" <i>Karl-Heinz Altmann (ETH Zürich)</i>
15.40	"Incorporating physicochemical properties into molecular optimizations: Are efficiency indices really efficient?" <i>Michael Shultz (Novartis Cambridge)</i>
16.20	Coffee Break
16:40	"Activity Cliff Analysis and SAR Visualization" <i>Jürgen Bajorath, (University Bonn)</i>
17.20	“Halogen Bonds – New Tools for Medicinal Chemistry and Molecular Design” <i>F. Boeckler, (University of Tübingen)</i>
17.40	“Novel Synthetic Chemical Chaperones as a New Basis for Amyotrophic Lateral Sclerosis (ALS) Treatment” <i>T. Getter, (Bar Ilan University, Ramat Gan)</i>
18.00	General Meeting of the GDCh-division Medicinal Chemistry
18:45	General Meeting of DPhG division Pharmaceutical/Medicinal Chemistry;
19:30	Transfer to Schloss Hohentübingen
20.00	Social Program: Tour “Karzer”, Castle-kitchen Hohentübingen, Tübingen and DNA

Tuesday, March 18, 2014	
Inflammation	
8:30	"Recent Advances in Targeting Inflammation" <i>Peter R. Bernstein (PharmaB LLC, Rose Valley)</i>
9.20	"Anti-inflammatory approaches for the treatment of respiratory diseases" <i>Horst Dollinger (Boehringer Ingelheim, Biberach)</i>
10.00	2 nd Generation Kinase Inhibitors, Kinases in Inflammation Rogier Buijsman, (NTRC, Oss)
10.40	Coffee Break
11.00	"HDAC inhibitors as modulators of mRNA transcript elongation: Role in the control of inflammatory related genes" <i>Dieter Steinhilber (University Frankfurt)</i>
11.40	"Multiplex in vivo RNAi Screening Instructs Combination Therapies to Increase the Therapeutic Efficacy of the Multikinase Inhibitor Sorafenib" <i>L. Zender (University of Tübingen)</i>
12.00	"Development of dual- and multi-target drugs for the treatment of neurodegenerative diseases" <i>C. E. Müller, (University of Bonn)</i>
12.20	Inhibitors of the macrophage infectivity potentiator (MIP) protein for the treatment of Legionella, Burkholderia, Yersinia and Francisella infections <i>U. Holzgrabe, (University of Würzburg)</i>
12:40	Graduation lectures
13:30	Lunch, Poster Session
Tuesday, March 18, 2014	
Metabolic Diseases, Diabetes	
14.30	(Pre)diabetes: New Mechanisms, new targets <i>Hans-Ulrich Häring, (University Tübingen)</i>
15.10	"Enteroendocrine Drug Discovery for Treatment of Metabolic Diseases" <i>Paul Feldman (GSK Triangle Park US)</i>
15:50	Coffee Break
16.10	GPR40 Agonists: from Screening to a Preclinical Candidate Elisabeth Defossa, (Sanofi-Aventis Deutschland GmbH, Frankfurt (Main))
16:50	"Orally bioavailable GPBAR1 agonists: Discovery, optimisation, and mode of action studies" <i>Patrizio Mattei (Roche, Basel)</i>
17:30	"Construction and Optimization of a Photoactivated Insulin Depot" <i>Simon H. Friedman (University Kansas City)</i>
20.00	Congress Dinner, poster prizes, Restaurant "Museum"

Wednesday, March 19, 2014	
Prizes and Awards	
Highlights in Technology and Medicinal Chemistry II	
8:30	IMI - European Lead Factory <i>Dimitrios Tzialis (Taros Chemicals)</i>
9.00	Ultrashort, poster prizes
9:20	Innovation Prize
10.00	Coffee Break
10:20	"Mass Spectrometry-Based Strategies for Analyzing Protein 3D-Structures" <i>Andrea Sinz (University Halle-Wittenberg)</i>
11.00	"Deciphering signaling and function of orphan G protein-coupled receptors with label-free biosensors" <i>Evi Kostenis (University Bonn)</i>
11:40	"New ansamycin-derived antitumor agents: synthesis, assay development and biological properties" <i>Andreas Kirschning (University Hanover)</i>
12:30	Closing remarks
12:45	Lunch
13:30	End of Meeting

13:30 – 17:00 h

Habilitandenforum of DPhG Med. Chem. Division