

8th Summer School Medicinal Chemistry

Graduiertenkolleg (Research Training Group) GRK1910

University of Regensburg

September 21-23, 2016

Lecture Hall H44 (Chemistry & Pharmacy Building)



DFG Deutsche
Forschungsgemeinschaft

Wednesday, September 21, 2016

- 13.00 Welcome – U. Hebel, President of the UR,
A. Buschauer and P. Gmeiner
- Antiinflammatory Drugs**
- 13.10 Peter Bernstein
University of Delaware, USA
*Inflammation: A New Look at One of the Oldest
Recognized Diseases*
- 14.05 Oral poster presentation
- 14.30 - Coffee break –
- 15.00 Stefan Laufer
University of Tübingen, Germany
*Raising the Gold Standard: Design & Development of
Highly Selective JAK3 Probe*
- Structural Biology and Drug Discovery**
- 15.55 Alexander Pautsch
Boehringer, Biberach, Germany
Protein Crystallography in Drug Discovery
- 16.50 - Coffee break –
- 17.20 Michael Hennig
leadXpro, Villingen, Switzerland
*Structure Based Lead Discovery for Challenging
Membrane Protein Targets*
- 18.15 Oral poster presentation
- 18.40 Poster session / Beer and pretzel

13.00 - Lunch break –

Optimization of Drugs and Agrochemicals

- 14.00 Hans Matter
Sanofi-Aventis Deutschland, Frankfurt a.M., Germany
*Multidimensional Compound Optimization
Combining Target Activity and ADMET Properties*
- 14.55 Wilhelm Amberg
AbbVie Deutschland, Ludwigshafen, Germany
*Crossing the Blood Brain Barrier: Mission
(Im)-possible?!*
- *Balancing Properties Favorable for CNS Drugs* -
- 15.50 - Coffee break -
- 16.20 Ralph Lipp
Lipp Life Sciences, Indianapolis, USA
*Reducing the Impact of Attrition in Discovery and
Early Drug Development*
- 17.15 Clemens Lamberth
Syngenta Crop Protection, Stein, Switzerland
*Scaffold Hopping Approaches in the
Agrochemical Lead Optimization*
- 18.10 Oral poster presentation
- 18.25 Poster Session
- 19.15 Barbecue at the University of Regensburg

Thursday, September 22, 2016

- GPCRs and GPCR Ligands**
- 08.30 Holger Stark
University of Düsseldorf, Germany
*Histamine H3 Receptor Ligands – From Pharmacological
Tools to Drugs*
- 09.25 Beili Wu
Shanghai Institute of MateriaMedica (SIMM), CAS, Shanghai,
P.R. China
Structural Studies of Human Purinergic Receptor P2Y1R
- 10.20 - Coffee break -
- 10.50 Annette Beck-Sickinger
University of Leipzig, Germany
*Peptide Drugs to Target GPCR– State of the Art and
Innovative Applications*
- 11.45 Patrick Vanderheyden
Vrije Universiteit Brussel, Belgium
*Receptor Residence Time: A Meaningful Parameter of
Receptor Ligands?*
- 12.40 Oral poster presentation

Friday, September 23, 2016

Cancer Diagnostics and Therapeutics

- 08.30 Dirk Hellwig
University Hospital Regensburg, Germany
*Theragnostics: Radioactive Receptor Ligands in
Diagnostic and Therapeutic Nuclear Medicine*
- 09.25 Olaf Prante
University Hospital Erlangen, Germany
*Sweetening Pharmaceutical Radiochemistry
by F-18-fluoroglycosylation*
- 10.20 - Coffee break -
- 10.40 Kurt Ritter
Sanofi-Aventis Deutschland, Frankfurt a. M., Germany
An Introduction to Cancer Immunotherapy
- 11.35 Timo Stellfeld
Bayer Healthcare, Berlin, Germany
*Discovery and Optimization of a Novel SMYD2
Chemical Probe*
- 12.30 Poster prizes
Concluding remarks

Poster session

The participants are invited to present scientific posters. A limited number of authors will be selected to give an ultra-short oral presentation (5 min, 2-3 slides; 'oral poster presentation').

For details, please, visit the homepage: <http://www.uni-regensburg.de/summer-school-medchem/>