

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 Stefan Laufer
University of Tübingen, Germany
*Raising the Gold Standard: Design & Development
of Highly Selective JAK3 Probe*

15.00 - Coffee break –

Structural Biology and Drug Discovery

15.30 Beili Wu
Shanghai Institute of MateriaMedica (SIMM), CAS,
Shanghai, P.R. China
Structural Studies of Human Purinergic Receptor P2Y1R

16.25 Alexander Pautsch
Boehringer, Biberach, Germany
Protein Crystallography in Drug Discovery

17.20 - Coffee break –

17.50 Michael Hennig
leadXpro, Villingen, Switzerland
*Structure Based Lead Discovery for Challenging
Membrane Protein Targets*

18.45 Oral poster presentation

19.15 Poster session / Beer and pretzel

Thursday, September 22, 2016

GPCR Ligands

08.30 Holger Stark
University of Düsseldorf, Germany
*Histamine H₃ Receptor Ligands – From
Pharmacological Tools to Drugs*

10.00 - Coffee break -

10.30 Annette Beck-Sickinger
University of Leipzig, Germany
*Peptide Drugs to Target GPCR– State of the Art
and Innovative Applications*

11.25 Patrick Vanderheyden
Vrije Universiteit Brussel, Belgium
*Receptor Residence Time: A Meaningful Parameter
of Receptor Ligands?*

12.15 Oral poster presentation

12.30 - Lunch break –

Optimization of Drugs and Agrochemicals

13.30 Hans Matter
Sanofi-Aventis Deutschland,
Frankfurt a.M., Germany
*Multidimensional Compound Optimization
Combining Target Activity and ADMET Properties*

14.25 Wilhelm Amberg
AbbVie Deutschland, Ludwigshafen, Germany
*Crossing the Blood Brain Barrier:
Mission (Im)-possible?!*
- Balancing Properties Favorable for CNS Drugs -

15.20 Oral poster presentation

15.35 - Coffee break -

16.05 Ralph Lipp
Lipp Life Sciences, Indianapolis, USA
*Reducing the Impact of Attrition in Discovery
and Early Drug Development*

17.00 Clemens Lamberth
Syngenta Crop Protection, Stein, Switzerland
*Scaffold Hopping Approaches in the
Agrochemical Lead Optimization*

17.55 Oral poster presentation

18.30 Poster Session

19.30 Barbecue at the University of Regensburg

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/>