

Participants: PhD students, master students, postdoctoral researchers / junior scientists at the beginning of their career (in academia or industry)

Registration

Registration fee: Participants from academic institutions 65 Euro
Industrial participants 280 Euro

Early registration including application for funding: before July 18th, 2016

Late registration: until September 4th, 2016

For **online registration**, please, visit our website:

<http://www.uni-regensburg.de/summer-school-medchem/>

Scientific contributions, preparation and submission of abstracts

Participants (registration required) are invited to present posters (maximum poster size: 'A0 oversize', 90 cm width x 120 cm height).

Online abstract submission is required before August 15th, 2016

For instructions and a template, please visit the above mentioned website.

Payment

By bank transfer. For detailed information, please, visit our website.

Fellowships

Limited funds are available for participants from abroad who will need financial aid to cover part of their expenses. In this case, a poster presentation is mandatory. Please send applications to our office (address see below).

Accommodation

Reservations for accommodation can be made through the **Regensburg tourist office:**

Phone: +49-941-5074410; Fax: +49-941-5074418; <http://www.regensburg.de>;
e-mail: tourismus@regensburg.de

Organization

Graduiertenkolleg / Research Training Group GRK 1910

"Medicinal Chemistry of Selective GPCR Ligands" (www.grk1910.de)

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8th Summer School "Medicinal Chemistry"

Graduiertenkolleg (Research Training Group) GRK1910
September 21 - 23, 2016



Confirmed Speakers:

Wilhelm **Amberg**, AbbVie, Ludwigshafen, Germany

Annette **Beck-Sickinger**, University of Leipzig, Germany

Peter **Bernstein**, University of Delaware, USA

Dirk **Hellwig**, University of Regensburg, Germany

Michael **Hennig**, leadXpro, Villingen, Switzerland

Clemens **Lamberth**, Syngenta Crop Protection, Stein, Switzerland

Stefan **Laufer**, University of Tuebingen, Germany

Ralph **Lipp**, Lipp Life Sciences, Indianapolis, USA

Hans **Matter**, Sanofi-Aventis Deutschland, Frankfurt a.M., Germany

Alexander **Pautsch**, Boehringer, Biberach, Germany

Olaf **Prante**, Universitätsklinikum Erlangen, Germany

Kurt **Ritter**, Sanofi-Aventis Deutschland, Frankfurt a.M., Germany

Holger **Stark**, University of Duesseldorf, Germany

Timo **Stellfeld**, Bayer Healthcare, Germany

Patrick **Vanderheyden**, Vrije Universiteit Brussel, Belgium

Beili **Wu**, Shanghai Institute of MateriaMedica (SIMM), CAS, Shanghai, China

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').

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