**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)

Prof. Dr. Armin Buschauer  
Phone: +49-941-9434827  
University of Regensburg  
Fax: +49-941-9434820  
Institute of Pharmacy  
e-mail: armin.buschauer@ur.de  
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Phone: +49-941-9434823  
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Fax: +49-941-9434820  
Institute of Pharmacy  
e-mail: summer.school@ur.de  
D-93040 Regensburg
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 Bruessel, 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

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

### Thursday, September 22, 2016

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

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**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