



**5th Würzburg GPCR Days**  
Workshops and Symposium  
October 7-9, 2012

#### Organizers

Carsten Hoffmann  
Martin Lohse

#### register online at

[www.rudolf-virchow-zentrum.de/5-gpcr-days.html](http://www.rudolf-virchow-zentrum.de/5-gpcr-days.html)

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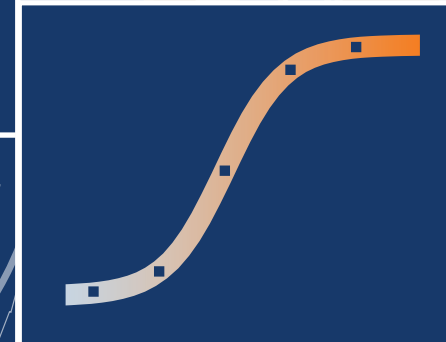
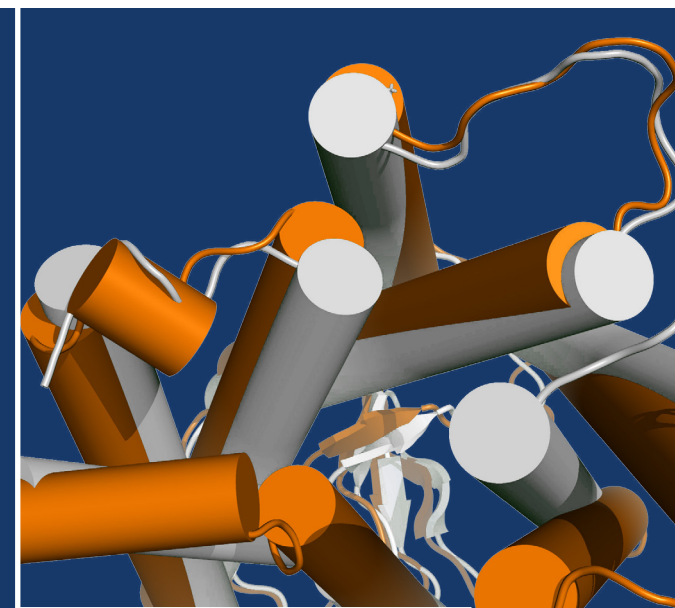
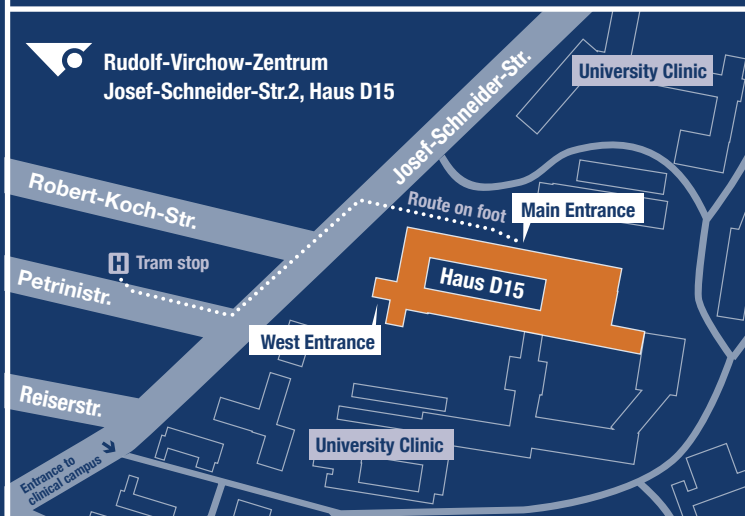
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**7-9 October 2012**  
**Rudolf-Virchow-Zentrum, Würzburg**

# Program for GPCR workshop

## 7–9 October 2012

### SUNDAY, 7 OCT

18:00 **Welcome note (Martin Lohse and Carsten Hoffmann)**

#### Plenary talk

**Gebhard Schertler** (Paul Scherer Institut): “G-protein coupled receptors: Structures of constitutively active receptors shed light on the activation of GPCRs”

19:30 **Get together**  
Foyer Rudolf-Virchow-Zentrum

### MONDAY, 8 OCT

9:00-10:00 **Session 1 (Chair: Thomas Gudermann)**

**Jean-Philippe Pin** (University of Montpellier 1&2): “Functional roles of Class C GPCR oligomerization: what it tells to other GPCRs”

**Thue Schwartz** (University of Copenhagen): “7TM receptor repertoire of enteroendocrine cells - ‘fat sensors’”

10:00-10:30 **Coffee break**

10:30-11:30 **Session 2 (Chair: Moritz Bünemann)**

**Stefan Offermanns** (MPI Bad Nauheim): “GPCRs as metabolite sensors - new ways of ligand-receptor-pairing”

**Ralf Jockers** (Institut Cochin & Université Paris Descartes): “Heteromerization between orphan and non-orphan 7TM proteins: a new interplay between virally- and host-encoded 7TM proteins”

11:30-11:45 **General discussion**

11:45-14:00 **Poster session and lunch**

14:00-16:00 **Session 3 (Chair: Peter Gmeiner)**

**Klaus Mohr** (University of Bonn): “The allosteric vestibule of a seven transmembrane helical receptor controls G-protein coupling”

**Annette Beck-Sickinger** (University of Leipzig): “Trafficking of neuropeptide Y receptors”

**Roland Seifert** (University of Hanover): “Molecular, cellular and clinical analysis of the beta2-adrenergic receptor with agonist stereoisomers”

**Steven Hill** (University of Nottingham): “Fluorescent ligand approaches to fragment screening and the study of GPCR dimerization at the single cell level”

16:00-16:30 **Coffee break**

16:30-18:00 **Round table discussions / hot topics**

18:30 **Dinner**

### TUESDAY, 9 OCT

9:00-10:00 **Session 4 (Chair: Martin Lohse)**

**Graeme Milligan** (University of Glasgow): “Chemically engineering ligand selectivity at the Free Fatty Acid Receptor 2 based on pharmacological variation between species orthologues”

**Martine Smit** (VU University of Amsterdam): “Human and viral chemokine receptors activate oncogenic signaling networks”

10:00-10:30 **Coffee break**

10:30-12:00 **Session 5 (Chair: Rob Leurs)**

**Carsten Hoffmann** (University of Würzburg): “Ligand selective receptor conformations – insights from muscarinic receptor based FRET-sensors”

**Torsten Schöneberg** (University of Leipzig): “The functional relevance of orphan members of the P2Y12-like receptor group”

**Federico Mayor** (UAM, University of Madrid): “GRK2 at the crossroads of cell signalling pathways”

12:00-12:20 **General discussion**

12:20-12:30 **Concluding remarks**

12:30 **Lunch and departure**

