

Program

Wednesday, April 6 th		
9:00-12:00	GPCRdb Satellite Meeting	
12:45	Opening	
13:00	Brian Kobilka (Stanford University) <i>Structural insights into the dynamic process of GPCR signaling</i>	Session 1 Chairs: Peter Gmeiner, Maria Marti
13:50	Gebhard F. X. Schertler (Paul Scherrer Institut, Villigen) <i>The application of Free Electron Lasers to biology: a new age of time resolved crystallography</i>	
14:25	Reinhard Grisshammer (NIH, Maryland) <i>Structure and dynamics of the neurotensin receptor</i>	
15:00	Coffee break	
15:45	Chris Tate and Byron Carpenter (MRC, Cambridge) <i>Structure of the human adenosine A2a receptor bound to an engineered G protein</i>	Session 2 Chairs: Zita Liutkeviciute, Sabina Podlowska
16:20	Sébastien Granier (IGF Montpellier) <i>Structural studies of opioid receptor activation</i>	
16:55	Xavier Deupi (Paul Scherrer Institut, Villigen) <i>Backbone NMR spectroscopy reveals allosteric activation networks in the $\beta 1$ adrenergic receptor</i>	
17:30	Christoph Klenk (University of Zürich) <i>A generic system for improved expression and thermostability of G protein-coupled receptors by directed evolution</i>	
17:45	Peter Hildebrand (Charité Berlin) <i>Position of transmembrane helix 6 determines receptor G protein coupling specificity</i>	
18:15	Poster and welcome reception	

Thursday, April 7th

8:45	GPCRdb Demo		
9:30	Brian Shoichet (UCSF) <i>Structure-based discovery of new ligands leading to new GPCR biology</i>	Session 3 Chair: Zoran Sucur	
10:05	Peter Kolb (Universität Marburg) <i>GPCR ligand selectivity and chemistry</i>		
10:40	Jens Carlsson (Uppsala University) <i>Structure-based screening for GPCR ligands from fragment and lead-like chemical space</i>		
11:15	Coffee break		
11:45	Christa Müller (Universität Bonn) <i>Adenosine A_{2A} and A_{2B} receptors: close relatives with crucial differences</i>	Session 4 Chair: Christian Munk	
12:20	Holger Stark (Universität Düsseldorf) <i>Histamine H3 Receptor Antagonists – Selectivity vs. Promiscuity</i>		
12:55	Olivier Corminboeuf (Actelion) <i>FPR2/ALXR agonists: Lead optimization and application in a mouse model of Alzheimer's disease</i>		
13:10	Lunch / Poster session		
		14:10	GLISTENdb Workshop
14:40	Martin Caffrey (Trinity College, Dublin) <i>Membrane Protein Structure - Function Studies With Lipid Mesophases</i>	Session 5 Chairs: Stefan Mordalski, Johanna Tiemann	
15:15	Moritz Bünemann (Universität Marburg) <i>GPCRs under control of voltage: Mechanisms and effects of voltage on GPCR activation</i>		
15:50	Jana Selent (UPF Barcelona) <i>A gate for membrane cholesterol into the interior of GPCRs</i>		
16:05	Dorothee Möller (FAU Erlangen) <i>D₂R/NTS₁R Heterodimer-Selective Ligands</i>		
16:20	Cedric Govaerts (Universite Libre de Bruxelles) <i>Allosteric regulation of G protein-coupled receptor activity by phospholipids</i>		
16:35	Coffee break		
17:15	Jean-Louis Reymond (Universität Bern) <i>Chemical Space for Drug Discovery</i>	Session 6 Chairs: Tim Knehans, Max Keller	
17:50	Ulrike Holzgrabe (Universität Würzburg) <i>Orthoster, Alloster, Dualster – tools to switch the muscarinic receptor</i>		
18:25	Marcello Leopoldo (Università degli Studi di Bari) <i>Ureidopropanamide derivatives for studying the role of formyl peptide receptor 2 in neuroprotection</i>		
18:40	Tizita Admas (FAU Erlangen) <i>Development of photoactivatable probes for labeling of the human chemokine receptor CXCR3</i>		
18:55	Xavier Leroy (Actelion) <i>Humanin peptide: A potent agonist of GPR1, a beta-arrestin specifically coupled receptor</i>		
20:15	Conference dinner (Palmeria Erlangen)		

Friday, April 8th

8:00-9:30	Management Committee Meeting	
9:30	Yves Auberson (Novartis) Histamine H3 inverse agonists for the treatment of narcolepsy: Optimizing with a clinical profile in mind	Session 7 Chair: Christoph Klenk
10:05	Susanne Roth (Novo Nordisk) <i>Exploring GPCR signalling with mathematical models</i>	
10:40	Mickey Kosloff (University of Haifa) <i>Computational interrogation of multi-specificity determinants in G proteins</i>	
10:55	Coffee break	
11:25	Roger Sunahara (UCSD) <i>Allostery in the coupling of G proteins to G protein-coupled receptors</i>	Session 8 Chair: Anni Allikalt
12:00	Selma Anton (Universität Würzburg) Identification and characterization of cAMP compartments in living cells	
12:15	Martin Lohse (Universität Würzburg) <i>Watching receptor signaling in space and time</i>	
12:50	Closing remarks	
13:00	End of GLISTEN Meeting	