

## CMBI Meeting, Speckbacher Hof, Gnadewald

**Donnerstag, 3. März 2016**

8:30 – 8:45	Opening	
8:45 – 9:45	Plenary talk	Chair: H. Stuppner
	<b>Christian Griesinger</b> NMR based structural Biology, Max Planck Institute for Biophysical Chemistry Göttingen, Germany <i>Small molecule interference with neuro and beta-cell degeneration</i>	
9:45 – 10:00	Break	
10:00 – 11:00	Session 1: Drugs/biotechnology	Chair: A. Pinggera
	<i>Towards novel biomimetic glues for medicine and industry</i> <b>Julia Wunderer</b> , Institute of Zoology <i>Synthesis, HPLC stability studies and biological investigations of novel NHC gold(I) complexes as potential anticancer agents</i> <b>Caroline Gallati</b> , Department of Pharmaceutical Chemistry <i>In vitro L-type Ca<sup>2+</sup> channel current properties and isradipine sensitivity during substantia nigra neuron-like activity patterns</i> <b>Nadine Ortner</b> , Department of Pharmacology and Toxicology <i>Pharmacophore modeling and virtual screening for the discovery of potent soluble epoxide hydrolase (sEH) inhibitors</i> <b>Birgit Waltenberger</b> , Department of Pharmacognosy	
11:00 – 11:30	Break	
11:30 – 12:30	Session 2: Proteomics/metabolomics/modelling	Chair: B. Waltenberger
	<i>Seed germination and seedling establishment are associated with distinct metabolic transitions in Brassica oleracea</i> <b>Erwann Arc</b> , Institute of Botany <i>Metal Complexes of Phyllochromobilins</i> <b>Chengjie Li</b> , Institute of Organic Chemistry <i>Proteomic study of Indonesian wild silk cocoon of Cricula Trifenestrata and Bombyx Mori</i> <b>Francesca Ferraris</b> , Institute of Analytical Chemistry and Radiochemistry <i>Pharmacophore-based virtual screening for identification of novel inhibitors of CYP17</i> <b>Muhammad Akram</b> , Department of Pharmaceutical Chemistry	
12:30 – 14:00	Lunch	
14:00 – 15:00	Session 3: Protein structure	Chair: C. Kreutz
	<i>Explaining the recognition process of ice binding proteins</i> <b>Michael Schaperl</b> , Institute of General, Inorganic and Theoretical Chemistry <i>Characterization of RNA-protein binding interfaces by mass spectrometry</i> <b>Eva-Maria Schneeberger</b> , Institute of Organic Chemistry <i>Using BioGPS and molecular dynamics simulations to identify molecular determinants of serine protease substrate specificity</i> <b>Birgit Waldner</b> , Institute of General, Inorganic and Theoretical Chemistry	

*Advanced vibrational spectroscopic technologies for natural products quality control and cancer tissue screening*

**Christian Huck**, Institute of Analytical Chemistry and Radiochemistry

15:00 – 16:30	Poster session	
16:30 – 17:30	Plenary talk	Chair: M. Tollinger
	<b>Remco Sprangers</b> Max Planck Institute for Developmental Biology Max Planck Campus Tübingen, Germany <i>Novel insights into dynamic processes involved in mRNA degradation</i>	
17:30	Get-together & dinner	

#### Freitag, 4. März 2016

8:30 – 9:30	Session 4: Signaling mechanisms	Chair: R. Kimmel
	<i>Identification of fumarylacetoacetate hydrolase domain containing protein (FAHD1) as oxaloacetate decarboxylase</i> <b>Alexander Weiss</b> , Research Institute for Biomedical Aging Research <i>Atypical transcriptional switching via TCF/<math>\beta</math>-catenin for germ layer segregation</i> <b>Willi Kari</b> , Department of Evolutionary and Developmental Biology, Institute of Zoology <i>Cancer driver MYC and calcium signaling</i> <b>Philipp Raffeiner</b> , Institute of Biochemistry <i>tRNA-derived fragments target the small ribosomal subunit to fine-tune translation</i> <b>Jennifer Gebetsberger</b> , Institute of Organic Chemistry	
9:30 – 11:00	Poster session	
11:00 – 12:00	Session 5: Disease and stress mechanisms	Chair: P. Raffeiner
	<i>The stress response to excess light: A signalling role for singlet oxygen-mediated acrolein production in the chloroplast</i> <b>Thomas Roach</b> , Institute of Botany <i>Impact of kinase activating and inactivating patient mutations on binary PKA interactions</i> <b>Ruth Röck</b> , Institute of Biochemistry <i>Role of the medial prefrontal cortex in mediating the extinction-promoting effects of L-DOPA in extinction-resistant subjects</i> <b>Simone Sartori</b> , Department of Pharmacology and Toxicology <i>Human voltage gated Ca<sup>2+</sup> channel mutations in autism spectrum disorder</i> <b>Alexandra Pinggera</b> , Department of Pharmacology and Toxicology	
12:00 – 12:15	Break	
12:15 – 13:15	Plenary talk	Chair: P. Jansen-Dürr
	<b>Almut Schulze</b> Department of Biochemistry and Molecular Biology, University of Wuerzburg, Germany <i>Targeting Cancer Metabolism</i>	
13:15 – 13:30	Award session and poster prizes and closing of the Symposium	