

Programme

Wednesday, September 7th

1st Session

Chairman:

	Speaker	Supervisor	Title
14:00-14:15	Prof. C. Herrmann		Welcome
14:15-15:05	Prof. P. Bayer		Tyrosine-O-Sulphation – a molecular clue in proteins
15:05-15:25	K. Jockers	R. Stoll	Fragment-based target screening for Rheb (Ras homologue enriched in brain) by multidimensional NMR spectroscopy
15:25-15:45	C. Lederer	P. Bayer	Selective Delabeling of amino acids; starting backbone assignments with more cheap information

Break and Check-In (15:45-16:20)

2nd Session

Chairman:

	Speaker	Supervisor	Title
16:20-17:00	Prof. P. Bayer		Using Ribosome display to create Biologicals
17:00-17:20	A. Korste	R. Stoll	Structural and functional characterization of the antiapoptotic protein Bcl-xL by NMR spectroscopy
17:20-17:40	F. Wieberneit	R. Stoll	Inhibition of the Mammalian Target of Rapamycin through Interaction of Bnip3 with Rheb
17:40			Hang up Poster

Dinner (start: 18:30)

Afterwards Poster Session

Thursday, September 8th

3rd Session

Chairman:

	Speaker	Supervisor	Title
9:00-9:20	F. Xia	K. Gerwert	The Specific Normal Vibration Modes of GTP in Solution and Ras Protein: A Detailed Theoretical Analysis
9:20-9:40	T. Rudack	K. Gerwert	Revealed by the QM/MM Simulations Mg ²⁺ is a temporary electron storage at GTP Hydrolysis
9:40-10:40	Dr. S. Ebbinghaus		Protein aggregation pathways probed <i>in vivo</i>

Break (10:40-11:00)

4th Session

Chairman: T. Rudack

	Speaker	Supervisor	Title
11:0-11:20	P. Bachler	K. Gerwert	Extensions of the measuring capabilities of the HYPERION 3000 FT-IR-microscope system (Bruker optics)
11:20-11:40	P. Pinkerneil	K. Gerwert	ATR-FTIR spectroscopic investigations of immobilized proteins
11:40-12:00	S. Kapoor	R. Winter	Conformational selection in membrane-bound Ras proteins
12:00-12:20	A. Werkmüller	R. Winter	Characterization of the dynamical properties of Ras proteins upon insertion into model biomembrane systems

Lunch (12:30-14:00)

5th Session

Chairman:

	Speaker	Supervisor	Title
14:00-15:00	Dr. F. Fischer		A Mass Spectrometry Platform to monitor Sirtuin dependent protein deacetylation events
15:00-15:20	A. Tschapek	B. Warscheid	Characterization of the olfactory neuron cilia membrane proteome
15:20-15:40	K. Westphal	F. Naberhaus	Analyzing the extent of FtsH-dependent proteolysis by substrate trapping

Break (15:40-16:00)

6th Session

Chairman:

	Speaker	Supervisor	Title
16:00-16:20	M. Schäkermann	F. Naberhaus	Control of lipopolysaccharide biosynthesis by regulated proteolysis of LpxC
16:20-16:40	D. Saffian	R. Erdmann	Functional and structural analysis of the peroxisomal AAA-type ATPases Pex1p and Pex6p
16:40-17:00	S. Beck	R. Erdmann	The role of cysteine-dependent ubiquitination of Pex18p within the export-driven import

Break (17:00-17:10)

7th Session

Chairman: N. Ohse

	Speaker	Supervisor	Title
17:10-17:30	K. Kock	C. Herrmann	Characterization of the Ras-Nore-Tubulin interaction by fluorescence- and label-free-techniques
17:30-17:50	S. Brinkmann	C. Herrmann	???

BBQ (Start: 18:30)

Friday, September 9th

8th Session

Chairman:

	Speaker	Supervisor	Title
9:00-9:20	K. Gavriljuk	K. Gerwert	Mechanism of GTP-hydrolysis in Rab1b catalyzed by TBC1D20
9:20-9:40	F. Großerüschkamp	K. Gerwert	The role of waters and protonable groups in Ras investigated by FTIR
9:40-10:10			Organization

Break and Checkout (10:10-10:40)

9th Session

Chairman:

	Speaker	Supervisor	Title
10:40-11:00	L. Mavarani	K. Gerwert	Raman Microspectroscopy of Colon Cancer Cells and Tissue
11:00-11:20	A. Neuhaus	R. Erdmann	Subcellular localization of Rho1p
11:20-11:40	K. Eisenhauer	K. Gerwert	???

Lunch (11:40-14:00)