Final schedule of AK-Ulrich Group Meeting in Freudenstadt 18-22 September 2011

Time	Sunday 18/9	Monday 19/9	Tuesday 20/9	Wednesday 21/9	Thursday 22/9
8.00		Breakfast	Breakfast	Breakfast	Breakfast
9.00	8.45 Meeting at Karlsruhe hbf 9.05 Leaving Karlsruhe Travel with RB + bus Ca 11.00 arrival at Hotel in Freudenstadt	**Session 4. Peptides II (Parvesh)** Ronald *Linking structure and dynamics of membrane-active peptides* Papia *Membrane-bound structure of a CPP derived from Kaposi fibroblast growth factor* Jonathan *Investigation of synergistic re-orientation of magainin 2 and PGLa in lipid membranes via ^{19}F- and ^{15}N-ssNMR*	**Session 8.Hardware (Stephan)** * Markus *Probe development* * Martin,Daniela,Julian, Tobias, Patrick, Andreas *Konstruktion eines Kondensatorenteststandes und Prototypenfertigung für die NMR* # * Hartmut & Johannes P *Protein Origami – a new way of protein synthesis*	**Session 9. Simulations I (Chair: Erik)** † Wolfgang Wenzel *Protein folding and structure prediction with free energy methods* † Moritz Wolf *Implicit hydrophobic pore potential simulations running in Gromacs*	**Session 13. Mirror motifs I (Johannes R.)** Sebastian *Mirror motifs in membrane proteins and peptides* Thorsten *The Tat dependent translocation: Experimental proof of the charge ZIPper hypothesis - Part 1* Christina *The Tat dependent translocation: Experimental proof of the charge ZIPper hypothesis - Part 2*
10.45	11.30 Coffee	Discussion and coffee	Discussion and coffee	Discussion and coffee	Discussion and coffee
11.15	**12.00 Session 1. Introduction (Chair: Birgid)** Anne *Welcome and introduction* Erik *Seminar information*	**Session 5. Peptides and beyond (Stephan)** Julia *Biomembranes for ssNMR* Sergii *Epsin 1-18 and its interactions with lipid membranes* Oleg *Diarylethylene-derived photoswitching peptides – toward the light-controlled antimicrobial peptides*	Free for activities	**Session 10. Simulations II (Chair: Marcus Elstner)** † Jakob Ulmschneider *In silico partitioning and transmembrane insertion of hydrophobic peptides under equilibrium conditions* † Tomas Kubar *Simulating peptides in biomembranes with coarse grained models*	**Session 14. Session 5. Mirror motifs II / Gramicidin S (Torsten)** ‡ Eva *Untersuchungen der Oligomerisation der TatA-Translocase* Marco Jan *What we can get from the head* Mareike *Establishment of the PhoD translocation assay* # Marina *Synthetic biology of gramicidin S producers* END
13.00	Lunch	Discussion and lunch		Discussion and lunch	13.15 Discussion and lunch
14.30	**Session 2. Dynamics (Jochen)** Erik *Dynamics of membrane-bound peptides studied by solid-state NMR* † Jesús Salgado *Non-classical hydrophobic mismatch: Effect of helix geometry and azimuthal rotation* Stephan *Fitting NMR data of peptides in oriented bilayers*	**Session 6. Fluorine chemistry (Sergii)** † Pavel Myhailiuk *The many roles of fluorine in biochemistry* Anton *Design and synthesis of novel fluorinated serine and phenylalanine analogues as potential ^{19}F-NMR labels* # Vladimir *Fluorine-labelled gramicidin S analogs: orientational behavior* #		**Session 11. Simulations III (Chair: Jesús Salgado)** † Thomas Steinbrecher *A model of tisB-biomembrane insertion from MD simulations* ‡ Benjamin *Struktur und Funktionsuntersuchung am TisB* Nico *Structure analysis of the AMP Temporin A*	Travel to Karlsruhe
16.25	Discussion and coffee	Discussion and coffee		Discussion and coffee	
16.55	**Session 3. Peptides I (Erik)** * Andrea *Festphasen-Peptidsynthese* * Kerstin *Peptidreinigung mit HPLC* Parvesh *Solid-state ^{19}F-NMR structure analysis of the β-sheeted antimicrobial peptide (KIGAKI)$_3$ in aligned lipid bilayers* Susanne *Structure analysis and aggregation behavoir of the cell-penetrating peptide TP10*	**Session 7. Optical spectroscopy (Dirk)** Jochen *Commissioning of the SRCD beamline at ANKA* * Siegmar *CD12: Status der Strahlrohr- und Messplatzsysteme* Johannes R *Some tools to investigate peptide-lipid interactions by fluorescence spectroscopy* Joana *Optimization of hemolysis*		**Session 12. E5/PDGFR (Marina)** Colin *Structural investigation of the orientation of E5 in different membrane-mimicking systems* Marcel *Structure and orientation of the transmembrane domain of PDGFR ß* Dirk *Reconstitution of E5 and PDGFR-TM in lipid bilayers*	Symbols: † Guest speakers (45 min) *Technicians (15 min) ‡ Students short talk (15 min) Students, postdocs (35 min) # Full titles not shown due to lack of space
18.35	Discussion	Discussion		Discussion	Final version last updated 110913
19.30	Dinner	Dinner	Dinner	Dinner	