Schedule of AK-Ulrich Group Meeting in Bad Honnef, 3-7 August 2014 updated

Time	Sunday 3/8	Monday 4/8	Tuesday 5/8	Wednesday 6/8	Thursday 7/8
8.00		Breakfast	Breakfast	Breakfast	Breakfast
9.00	7.45 Meeting Karlsruhe Hbf 8.07 Train from Karlsruhe 12.05 Arrival in Bad Honnef	**Session 3. Tat I (Johannes R)** Torsten *Twin arginine translocation - introduction* Lena *Twin arginine translocation - cloning and expression update* Christina *Twin arginine translocation - translocation assay update*	**Session 7. Lab work (Stephan)** *Kerstin *Synthese und Reinigung von Peptiden* *Andrea *Der Einsatz des Chemie Assistenten (ChemA) am KIT* *Johannes P *IT news 2014* *Markus *New NMR probe heads* *Hartmut *Switching frequencies using PIN diodes* *Daniel *3D Druckverfahren*	**Session 9. E5/PDGFR I (Tamta)** Dirk *An overview of the research of E5 and the PDGF receptor* Thilo *Synthesis, purification and solid state NMR structure analysis of the PDGFβR transmembrane region* Violetta *Synthesis, purification and structure analysis of ^{15}N-labelled analogues of the oncoprotein E5*	**Session 13. TisB/Biofilms (Christina)** Benjamin *More NMR studies on TisB* Papia *Bioimaging - what happens behind the scenes...* Thomas *The impact of PSMα on the biofilm-forming capacity of MRSA phenotypes*
10.45		Discussion and coffee	11.00 Discussion and coffee	Discussion and coffee	Discussion and coffee
11.15		**Session 4. Tat II/AMPs I (Jochen)** Eva *Twin arginine translocation - NMR results update* Erik *Peptide-lipid interactions: effects of curvature and mismatch* Marie-Claude *Influence of length and charge on the activity of alpha-helical amphipathic AMPs*	**11.30 Session 8. Optical Spectroscopy (Dirk)** Johannes R *Determination of oligomerization of membrane proteins and peptides using FRET* Jochen *(I) UV-CD12: integration of SR-OCD setup and first results. (II) Analysis of chiral SURMOFs by conventional OCD* **Group photo**	**Session 10. E5/PDGFR II (Torsten)** Colin *Fluorescence spectroscopy - a new approach to investigate the E5 - PDGFR system* Xu *Distance measurements on E5 dimers using solid state ^{19}F-NMR* Katharina *Expression, purification and MAS sample preparation of new pETGB1a constructs for NHHC spin diffusion experiments*	**Session 14. CPPs (Erik)** Marco *Modulating the helicity of cell-penetrating peptides to optimize activity in vitro and in vivo* *Tim *Synthesis of coumarin-labelled, cell-penetrating peptides for fluorescence-based in vitro translocation studies* END
13.00	Lunch	Lunch	Lunch	Lunch	12.30 Lunch
14.30	**Session 1. Introduction and Peptides (Chair: Birgid)** Anne *Welcome* Erik *Seminar information* Parvesh *Enhancing metabolic life span of peptides: application to AMPs and beyond* Philip *Dermcidin & co. – Yes… it's active, but not as an AMP!* †Sabine *Peptide origami on the web*	**Session 5. AMPs II (Marco)** Sergii *On the orientation of PGLa* Jonathan *From PGLa to MSI-103 and back again* Sezgin *Structure-function analysis of two peptaibols: harzianin HK VI and alamethicin F30/3*	Free for activities	**Session 11. Photoswitches (Marina)** Oleg *Development of photo-switchable diarylethene building blocks for incorporation into peptides* *Patricia *Photo-switchable peptidomimetics with diarylethen building units* Sabine *A detailed MD analysis of the properties of photoswitchable GS-analogues in solution and when bound to a DMPC membrane*	14.46 Train to Karlsruhe 18.32 Arrival in Karlsruhe
16.15	Discussion and coffee	Discussion and coffee		Discussion and coffee	
16.45	**Session 2. Gramicidin S (Sergii)** Marina *Significance of gramicidin S* *Alexander *Production, isolation and characterization of gramicidin S nano-granules* Julia *Structural investigations of gramicidin S nano-granules*	**Session 6. NMR on peptides and proteins (Parvesh)** Héctor Zamora *Peptides and proteins: working at different scales in solution NMR* Stephan *A knot in the membrane - alignment of a non-helical peptide*		**Session 12. Chemistry (Parvesh)** Hanna *New CF_3-substituted phenylalanine analogue as a ^{19}F-NMR-label* Igor Komarov *A transition state mimic of amide bond cis-trans interconversion: 1-Azatricyclo[3.3.1.1^{3,7}]decan-2-one*	Symbols: *Technicians and bachelor students (15 min talk + 5 min questions) † Very short talk (5 min) Master students, postdocs (25 min + 10 min)
	Time for discussions	Time for discussions		Time for discussions	
19:00	Dinner	Dinner	Dinner	Dinner	Final version updated 140729