Preliminary Schedule of AK-Ulrich Group Meeting in Schöntal, 31 July – 3 August 2016

Time	Sunday 31/7	Monday 1/8	Tuesday 2/8	Wednesday 3/8
8.00		Breakfast	Breakfast	Breakfast
9.00	Travel from Karlsruhe	**Session 3. Photoswitching (Johannes)** Oleg *The drug development process: from early drug discovery to clinical trials* Tim *Photoswitchable cyclic cell-penetrating peptides* Christian D *Synthesis of photocleavable Gly for the synthesis of caged antimicrobial peptides*	**Session 7. Flipping helices (Stephan)** Torsten *Introduction to flipping helices* Lena *Working with flipping helices* Denis *Optimierung der Expression des Antipinholins der Phage 21*	**Session 9. Amino acids for ^{19}F-NMR I (Parvesh)** Igor Komarov *F-Bpg - a long way from the idea to applications* Sergii *TCBs as ^{19}F-labels to substitute cationic residues in membrane-active peptides* Hanna *New CF_3-substituted phenylalanine analogue as a ^{19}F-NMR label*
10.45		Discussion and coffee	Discussion and coffee	Discussion and coffee
11.15		**Session 4. Mixed II (Jochen)** Ariadna *Lipotrue, new technologies for the cosmetic industry* Marco *The world of Smad* Marin *Optimierung der Telomerlängenbestimmung biologischer Proben*	**Session 8. AMPs (Dirk)** Erik *Mode of action of antimicrobial peptides: long and short amphipathic α-helices use different mechanisms* David *Structure of a transmembrane pore of the peptide MSI-103* Johannes R *Synergy of magainin 2 and PLGa: a revision of fluorescence measurements*	**Session 10. Amino acids for ^{19}F-NMR II (Torsten)** Parvesh *^{19}F@will* Myriam *Monofluoroalkene-based dipeptide isosteres as molecular probe in solid-state ^{19}F-NMR spectroscopy* Marie *Isostere von Asparagin und Glutamin zur Fluor-Markierung von ^{19}F-NMR* **THE END**
13.00	Lunch	Lunch	Lunch	Lunch
14.30	**Session 1. Introduction + Mixed I (Chair: Birgid)** † Anne *Welcome and introduction* † Erik *Seminar information* Tomas Kubar *Interaction of harzianin with a biomembrane: simple and advanced simulation* Haroldo *Structure-function correlation of cytochrome P450 from* Streptomyces clavuligerus Jochen *Resemblance of electrospun collagen nanofibers to their native structure* *Ronja *Techniken im Labor: Klonierungsstrategien*	**Session 5. E5/PDGFR I (Marina)** Dirk *Alignment of E5 and PDGFR-TMD in membranes* Joachim *Expression and characterisation of the transmembrane segment of EGFR and PDGFR α* Fabian *Herstellung von Mutanten von PDGFR α und β für Interaktionsstudien mit E5*	Free for activities	Travel to Karlsruhe
16.30	Discussion and coffee	16.15 Discussion and coffee		
17.00	**Session 2. Peptides (Erik)** Aasta *A closer look to dermcidin peptides* Lucie *Biophysical study of human-derived peptides* Marina *Gramicidin S modifications for drug design*	**16.45 Session 6. E5/PDGFR II + BsrG (Sergii)** Stephan *Spin talk* Samantha *Interaction of E5 and PDGFR β investigated by FRET* Katharina *BsrG - about a wild type and crazy mutants*		
18.45	Discussions	18.30 Discussions		
19.00	Dinner	Dinner	Dinner	Final version 160726

Symbols: Seniors, postdocs, master students, bachelor students (25 min talk + 10 min questions), * technician (10 min + 5 min), † very short talk (5 min)