

Final schedule of AK-Ulrich Group Meeting in Annweiler, 28 July – 1 August 2013

| Time | Sunday 28/7 | Monday 29/7 | Tuesday 30/7 | Wednesday 31/7 | Thursday 1/8 |
|-------|--|---|---|---|--|
| 8.00 | | Breakfast | Breakfast | Breakfast | Breakfast |
| 9.00 | Travel from Karlsruhe by car 12.45 Arrival at Annweiler | Session 3 Peptides (Sergii) Johannes R <i>P:L and MIC – how are they related?</i> Julia <i>Characterisation of gramicidin S granules</i> Oleg <i>Design and synthesis of a new molecular photo-switch based on diarylethene unit</i> | Session 7. (SR)CD/OCD (Torsten) Siegmar <i>Synchrotron CD-Spektroskopie: Optik, Signale und Technik</i> Jochen <i>Part 1: Short update on UV-CD12 as a user facility. Part 2: OCD structural characterization of PG-1 (collaboration project)</i> | Session 9. Magainins (Erik) Sarah <i>Optimization of PGLa and magainin: role of glycines on activity and synergy</i> Jonathan <i>Interaction studies on magainin family peptides and analogues</i> Sabine <i>Detailed comparison of PGLa MD simulations with NMR measurements</i> | Session 12. AMPs (Marco) Parvesh <i>Anionic lipid clustering by cationic AMPs</i> Erik <i>Orientation of long and short membrane-bound peptides from SSNMR data</i> AriadnaGrau Campistano <i>Does size matter? Influence of the length in KIAGKIA peptides</i> |
| 10:45 | | Discussion and coffee | 10.10 Discussion and coffee | Discussion and coffee | Discussion and coffee |
| 11.15 | | Session 4. Biofilms (Tamta) Benjamin <i>Structural and functional studies on membrane bound TisB</i> Papia <i>Wanted and unwanted transition to biofilms – a story of TisB and antimicrobial peptides</i> Raffaele <i>ERNS - Envelope Protein RNase Secreted: a multifunctional protein of pestiviruses</i> | 10.40 Session 8. Technical work (Stephan) *Markus <i>Von der Hochfrequenz zum Spektrum</i> *Hartmut <i>Protein Origami - aktueller Stand</i> *Johannes P <i>IT-News</i> *Andrea <i>Peptidsynthese</i> *Steffi <i>Molekularer Baukasten-Mutagenese</i> | Session 10. NMR methods (Dirk) Stephan <i>NMR relaxation in oriented membranes</i> Xu <i>Distance measurements between peptides in membrane</i> Anna Zhdanova <i>New CF₃-substituted phenylalanine analogue as a ¹⁹F-NMR-label</i> | Session 13. CPPs/Lipids (Parvesh) Sergii <i>Conformational plasticity and membrane interactions of the cell-penetrating peptide SAP</i> Marco <i>Membrane interactions of modified cell-penetrating peptides</i> Sezgin <i>Evaluation of phytanoyl lipids as model membrane systems</i> END |
| 13.00 | Lunch | Lunch | Lunch | Lunch | Lunch |
| 14.30 | Session 1. Introduction and E5-PDGFR I (Chair: Birgid) Anne <i>Welcome</i> Erik <i>Seminar information</i> Katharina <i>The spark jumps across: first intermolecular NMR contact measurements of the E5/PDGFR complex</i> Dirk <i>E5 and PDGFR: a possible mechanism of the E5-mediated receptor activation</i> | Session 5. Tat (Johannes R) Torsten <i>Search for experimental proofs reloaded: The new postulated Twin-Arginine translocation mechanism</i> Eva <i>Investigations of the complex size of soluble TatA and the crucial role of the TatA TMS in the new postulated translocation mechanism[#]</i> Christina <i>Fluorescence spectroscopy of TatA and proof of the new translocation mechanism by translocation assays</i> | Outdoor activity: Walking tour to Trifels | Session 11. Special activity KIT-Personalentwicklung: Moderation by Ernst Aumüller <i>Different roles and functions in the team-building process of an institute</i> | Return to Karlsruhe |
| 16.15 | Discussion and coffee | Discussion and coffee | | | |
| 16.45 | Session 2. E5-PDGFR II (Dirk) Nermin <i>Spezifische ¹⁵N- und ¹⁹F-Markierung des Onkoproteins E5</i> Colin <i>The behavior of PDGFRβ-TMD in different lipid systems and membrane domains</i> | Session 6. Dermcidin (Jochen) Sebastian <i>Part I: Expression, purification and NMR studies on dermcidin. Part II: Charge zippers in the antimicrobial peptide database (APD)</i> Philipp <i>Dermcidin – a story of sweat, blood and tears</i> | | | Symbols: Normal talks (25 min + 10 min) *Short talk (15 min + 5 min questions) [#] Full title not shown due to lack of space |
| 18.00 | Discussions | Discussions | | | Preliminary version last updated 130719 |
| 19:00 | Dinner | Dinner | Dinner | Dinner | |