Schedule of AK-Ulrich Group Meeting in V	Val d'Ajol, France, 19-22 August 2019

Time	Monday 19/8	Tuesday 20/8	Wednesday 21/8	Thursday 22/8
8.00		Breakfast	Breakfast	Breakfast
9.00	9.00 Bus from Karlsruhe	Session 3. PELICO I (Erik) Igor Three years of PELICO: current achievements and prospects Kateryna Tolmachova Light-controllable antibody-peptide conjugates (LC-APC) Andrii Hrebonkin Spiropyran based photoswitchable building block	Session 7. Water (Lena) Torsten Introduction to structured water Alexander The theory behind the "Exclusion Zone" - how to explain this phenomenon Lakshmi Experimental investigation of the "Exclusion Zone" and "Iteratively Nafionized Water" Frauke The importance of water on cell biology	Session 9. Pinholins (Sergii) Lena Introduction to pinholins Anne G Structure of pinholins Annika Function of pinholins
10.30		Discussion and coffee	11.00 Discussion and coffee	10.30 Discussion and coffee
11.00		Session 4. PELICO II (Tomas) Aigars Jirgensons Peptidomimetic inhibitors of plasmodium serine protease SUB1: from scratch to antimalarial leads Illia Peptide inhibitors of acid-sensing ion channels Oleg Photocontrol of enzymatic activity: diarylethene-based photoswitchable analogues of a potent Bowman-Birk protease inhibitor SFTI-1	<b>11.30 Session 8. Lipids and local</b> <b>anaesthetics (Oleg)</b> Stephan <i>Lipid force</i> Anke <i>Membrane activity of local anaesthetics s</i>	Session 10. TMHs (Stephan) Tomáš Kubař Simulation of proton transfer in transmembrane proteins / peptides Sebastian Membrane orientation of the EGFR- TMD Li Self-assembly of receptor transmembrane helices in membranes studied by solid state NMR THE END
12.30		Project discussion	Project discussion	Project discussion
13.00	Lunch	Lunch	Lunch	Lunch
15.00	Session 1. Introduction + AMPs (α) (Chair: Birgid) <sup>†</sup> Anne Welcome and introduction <sup>†</sup> Erik Seminar information Jochen Unveiling the binding, conformation and orientation of plantaricin 149a in model membranes Erik Design principles and mechanisms of action of AMPs Patrick A Fine-tuning the sequence of KIA21	Session 5. PELICO III (Jochen) Serhii K Fluorescent amino acids with a 3- hydroxychromone core and their use in peptide investigations Sergii A Fish embryo-toxicity assay for (photo)pharmacology of bioactive peptides Beibei In vivo imaging of nanoparticles and development of fluorine-rich labels	Walk or activities	14.30 Bus to Karlsruhe
16.30	Discussion and coffee	Discussion and coffee		
17.00	Session 2. AMPs (β) (Igor) Réka Lipid effects on vesicle binding and leakage of AMPs Fabian Influence of N-methylation on membrane binding and therapeutic properties of KL peptides Arnold Influence of backbone modification of decapeptides composed of alternating polar/non- polar residues on structural and functional properties Project discussion	Session 6. PELICO IV/CPP (Torsten) Eileen Cyclic peptides with photoswitchable conformation as cellular transporters Tim Taming the chameleon! With uncharged weapons? 18.00 Project discussion		
19.00	Dinner	Dinner	Dinner	Last updated 190808
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Talks: Seniors, postdocs, master students, bachelor students (20 min talk + 10 min questions), <sup>†</sup>very short talk (5 min)