

Schedule of AK-Ulrich Group Meeting in Oberwolfach, Landhotel Hirschen, 9-11 October 2023

Time	Monday 9/10	Tuesday 10/10	Wednesday 11/10
8.00		Breakfast	Breakfast
9.00	Travel from Karlsruhe by car	Session 4. Photoswitches I (Tamta) Sergii <i>A spiropyran-based photoisomerizable α-amino acid for modification of membrane-active peptides</i> Georgios <i>Gramicidin S and its photoswitchable analogs: Effects on cytotoxicity and peptide-lipid interactions</i> Nataliia <i>Photoswitchable modulators of acid-sensing ion channels</i>	Session 6. KIA peptides (Stephan) Erik <i>Effect of charge and hydrophobicity on KIA peptides</i> Mark <i>Site-dependent influence of hydrophobicity and charge on the membrane activity of helical amphipathic model peptides. Part 1</i> Ranja <i>Site-dependent influence of hydrophobicity and charge on the membrane activity of helical amphipathic model peptides. Part 2</i>
10.30	Arrival in Oberwolfach	Discussion and coffee	Discussion and coffee
11.00	Session 1. Introduction & first talk (Birgid) [†] Anne <i>Welcome</i> [†] Erik <i>Seminar introduction</i> Torsten <i>Debunking iteratively perturbed water (IPW)</i>	Session 5. Photoswitches II & Membrane proteins (Sergii) Serhii <i>Autophagy inhibiting photoswitchable peptides</i> Jasmin <i>Unveiling transmembrane proteins: insights into APP, Notch1, hydrophobic peptide purification, innovative fluorescent labeling, and immunoassay analytics</i>	Session 7. Pinholins (Parvesh) Dennis <i>Updates on pinholin & Introduction to the bacterial phage shock response</i> Patrick <i>First steps towards establishing an in vivo assay to investigate the phage shock protein (psp)-response to (pin)holin-mediated cell lysis in Escherichia coli</i>
12.00	Buffer time	Project discussion	Project discussion
12.30	Lunch	Lunch	Lunch
13.30	Session 2. RTKs (Erik) Sebastian <i>Introduction to tyrosine kinase receptors and comparison of membrane model systems for ssNMR</i> Ruta <i>Comparison of different C-terminally truncated E5 constructs regarding biosynthesis and membrane orientation</i> Rebecca <i>Understanding the oncogenic activation of PDGFRβ by E5: Creation of a PDGFRα mutant which interacts with E5</i>	Walk Or other activities	Session 8. Lipids and more (Torsten) Stephan <i>Lipids on graphene</i> Marcel <i>Local anesthetics - membrane active compounds</i> END
15.00	Discussion and coffee		14.30 Discussion and coffee
15.30	Session 3. Latarcin stories (Sebastian) Parvesh <i>The story of Ltc1 and Ltc2a</i> Mario <i>The story of Ltc3a</i> Kieron <i>The story of Ltc5</i>		Return to Karlsruhe
17.00	Project discussion	Group leader meeting	
18.00	Dinner	Dinner	

Normal talks: 20 min talk + 10 min questions, [†] very short talk (5 min)

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