

GRK 1478

Meeting 27th and 28th Nov, 08

Program

Thursday, Nov 27

12:00 **Lunch**

Chair: Peter Graumann

- 14:00 – 14:30 Britta Weis:
Insertion mechanism of integral membrane proteins harbouring short + long periplasmic domains
- 14:30 – 15:00 André Ziegler:
Interactions of cell-penetrating peptides with lipids and glycosaminoglycans
- 15:00 – 15:30 Renaud Wagner:
Strategies for the production, purification and stabilization of functional recombinant GPCRs
- 15:30 – 16:00 Ozana Onaca
Bioconversions inside immobilized nanoreactors

16:00 **Coffee break**

Chair: Isabelle Schalk

- 16:30 – 17:00 Heiko Erhardt:
In vivo localization of membrane proteins in *E. coli*
- 17:00 – 17:30 Mirella Nader:
The mechanism of iron transport in *P. aeruginosa* via the pyoverdine pathway
- 17:30 – 18:00 Felix Dempwolff:
Analysis of membrane-associated proteins using TIRF microscopy and heterologous expression in macrophages
- 18:00 – 18:30 Christopher Aisenbrey:
LAH4: a model peptide for precise studies of peptide-lipid interaction with antibiotic activity and the ability to promote DNA delivery

Friday, Nov 28

- 09:00 – 09:30 **Chair: Matthias Müller**
Florian Cymer:
In vivo oligomerization and function of a membrane protein
- 09:30 – 10:00 David Stroud:
Biogenesis of mitochondrial outer membrane proteins
- 10:00 Coffee break**
- 10:30 – 11:00 **Chair: Matthias Müller**
Roland Stote:
Molecular recognition and allosteric communication in integrins
- 11:00 – 11:30 Johannes Härle:
A transcriptional check point as a tool for a high-throughput screening
- 11:30 – 12:00 Cornelia Palivan:
Antioxidant nanoreactors: a way to fight oxidative stress
- 12:00 Lunch**
- 13:30 – 14:00 **Chair: Petra Hellwig**
Youssef El Khoury:
Low temperature studies on hydrogen bonds in complexes III and IV from the respiratory chain
- 14:00 – 14:30 Grzegorz Pawlik:
Assembly of cytochrome *cbb₃* oxidase
- 14:30 – 15:00 Ramona Labatzke:
Crystallization of a soluble fragment of complex I
- 15:00 Coffee break**
- 15:30 – 16:00 **Chair: Thorsten Friedrich**
Martin Werner:
Characterization and fluorescence-resonance-energy-transfer with fluorescent semiconductor nanocrystals (quantum dots)
- 16:00 – 16:30 Alexander Rohrbach (IMTEK):
Optical induction of membrane-proximal processes
- 16:30 Business Meeting