

Symposium: „Membrane Protein Research“
Trinational Training Research Group –
“Membrane Proteins and Biological Membranes“ (GRK 1478)
September, 29th – 30th 2011, Freiburg im Breisgau, Germany

Thursday, September 29th, 2011

- 12:00 – 1:30 pm Registration (Institute of Biology I, Hauptstr. 1, 79104 Freiburg)
Lunch (Institute of Biology I, Cafeteria, Hauptstr. 1, 79104 Freiburg)
- 1:30 – 1:35 pm Opening remarks
- 1:35 – 2:30 pm **Prof. Dr. Raimund Dutzler** (University of Zurich, Switzerland)
“The structural basis for ion conduction and gating in pentameric ligand-gated ion channels“
- 2:30 – 2:50 pm **Dr. Wei Lü** (group Oliver Einsle, Freiburg, Germany)
"pH-dependent gating in a FocA formate channel"
- 2:50 – 3:10 pm **Marius Schulte** (PhD student, group Thorsten Friedrich, Freiburg, Germany)
“Structure and function of the Rnf complex”
- 3:10 – 3:30 pm **Yashvin Neehaul** (PhD student, group Petra Hellwig, Strasbourg, France)
“Crucial role of D397 in ion binding in the Na⁺-pumping NADH:quinone oxidoreductase”
- 3:30 – 4:00 pm *Coffee break*
- 4:00 – 4:55 pm **Prof. Dr. Alexander M. van der Bliek** (David Geffen School of Medicine at UCLA, Los Angeles, USA)
“Mitochondrial fission and fusion in mammalian cells and in *C. elegans*”
- 4:55 – 5:15 pm **Angelika Harbauer** (PhD student, group Chris Meisinger, Freiburg, Germany)
“Regulation of mitochondrial protein import by cytosolic kinases“
- 5:15 – 5:35 pm **Christian Müller** (PhD student, group Seelig, Basel, Switzerland)
“Amyloid beta-peptide interaction with lipid membranes and glycosaminoglycans”
- 5:35 – 6:45 pm *Dinner* (Cafeteria)
- 6:45 – 7:45 pm **Prof. Dr. Kaspar P. Locher** (ETH: Swiss Federal Institute of Technology, Zurich, Switzerland)
"Structure of bacterial oligosaccharyltransferase and the molecular basis of N-linked glycosylation"
- 7:45 pm *Casual discussion time with refreshments at the Cafeteria*

Friday, September 30th, 2011

- 9:00 – 9:55 am **Prof. Dr. A. William Rutherford** (Imperial College London, UK)
“Water Photolysis in biology: Photosystem II”
- 9:55 – 10:15 am **Julia Fröbel** (PhD student, group Matthias Müller, Freiburg, Germany)
“Transmembrane insertion of twin-arginine signal peptides is driven by TatC and regulated by TatB”
- 10:15 – 10:35 am **Luise Simon** (PhD student, group Peter Graumann, Freiburg, Germany)
„SMC shows high condensin-like DNA binding dynamics in *Bacillus subtilis* cells“
- 10:35 – 11:05 am *Coffee break* (Cafeteria)
- 11:05 – 12:00 am **Prof. Dr. Bert Poolman** (University of Groningen, The Netherlands)
“CBS domains 1 and 2 fulfill different roles in ionic strength-sensing of the ABC transporter OpuA”
- 12:00 – 12:20 pm **Dr. Matthias Michalek** (group Burkhard Bechinger, Strasbourg, France)
“Structure, bilayer topology and function of the N-terminal membrane-anchoring domain of Huntingtin”
- 12:20 – 12:40 pm **Fabian Zehender** (PhD student, group Anna Seelig, Basel Switzerland)
“Apolipoprotein A-1: Thermodynamic characteristics of protein self-association”
- 12:40 – 12:45 pm Closing remarks
- 12:45 – 2:00 pm *Lunch* (Cafeteria)