



Membranes and Membrane Proteins

German – French Workshop

7. and 8. December 2007



Université Louis Pasteur, Strasbourg

Alberts-Ludwigs-Universität, Freiburg

Friday, 7.12.2007

12:45 Introduction



SESSION I TRANSPORT and LOCALISATION

13:00-13:55 **Conrad Mullineaux, London**

Protein diffusion in *Escherichia coli*: viscosity of different cell compartments and organisation and dynamics of the cytochrome *bd* complex

13:55-14:20 **Peter L. Graumann, Freiburg**

Different localization patterns of bacterial membrane and membrane-associated proteins

14:20–14:45 **Isabelle Schalk, Strasbourg**

Membrane Ferric-Siderophore Trafficking in Gram-Negative Bacteria: The Fate of Ferric-Pyoverdine Followed by Real Time Fluorescent Resonance Energy Transfer in *Pseudomonas aeruginosa*

14:45-15:15 **Anna Seelig, Basel**

The Role of the Lipid Membrane for the Function of the ABC Transporter P-Glycoprotein

15:15-16:20 COFFEE BREAK, POSTERS

SESSION II STRUCTURE

16:20-17:15 **Georg E. Schulz, Freiburg**

Structure of beta barrel proteins

17:15-17: 40 **Thorsten Friedrich, Freiburg**

Structural studies on complex I

SESSION III RESPIRATION

17:40-18:05 **Hans-Georg Koch, Freiburg**

Assembly of cofactor-containing, multi-subunit enzyme complexes

18:05-18:30 **Petra Hellwig, Strasbourg**

Infrared spectroscopic studies on membrane proteins from the respiratory chain

18:30–19:25 **Robert B. Gennis, Urbana, Illinois**

The Proton Pumping Cytochrome Oxidase

SESSION IV POSTERS, WINE AND CHEESE

Saturday, 8.12.2007

SESSION V STRUCTURE AND FUNCTION

- 9:15-9:40 **Chris Meisinger, Freiburg**
Biogenesis of the mitochondrial outer membrane
- 9:40-10:05 **Burkhard Bechinger, Strasbourg**
Structural investigation of proteins and peptides by solid state NMR state spectroscopy
- 10:05-10:30 **Andreas Bechthold, Freiburg**
Novel antibiotics by combinatorial biosynthesis
- 10:30-10:55 **COFFEE BREAK**

SESSION VI MANIPULATION

- 10:55–11:50 **Jean Luc Popot, Paris**
Developing the applications of amphipols to membrane protein studies. An update
- 11: 50-12:20 **Katarzyna Kita, Basel**
Membranes from amphiphilic block copolymers for biosciences'
- 12:20-12:50 **Alexander Böhm, Basel**
Second messenger interplay orchestrates *E. coli* biofilm formation upon translation interference
- 12:50 – 14:00 **LUNCH**

SESSION VII ASSEMBLY AND FOLDING

- 14:00-14:25 **Dirk Schneider, Freiburg**
In vivo and *in vitro* studies of membrane protein folding
- 14:25-14:50 **Matthias Müller, Freiburg**
Mechanism of membrane protein integration
- 14: 50-15:15 **Elisabeth Trifilieff, Strasbourg**
Myelin proteolipid protein (PLP)

SESSION VIII PHOTOSYNTHESIS

- 15:15-15:40 **Andreas Labahn, Freiburg**
Structure and Function of the aerobic photosynthetic bacterium *Roseobacter denitrificans*
- 15:40 **FAREWELL**