

## Thursday, May 3, 2012

19:30 Welcome drink, vila Lanna

## Friday, May 4, 2012

8:30 – 8:40 Invitation by Zdeněk Havlas, IOCB director

### Session 1. Proteins in Membranes

Chairman Andreas Plueckthun

- 1.1** 08:40 – 09:20 Daniel Mueller (ETH Zurich, CH)  
Reversible un- and refolding of single transmembrane beta-barrel proteins into membrane bilayers
- 1.2** 09:20 – 10:00 Gunnar Von Heijne (Univeristy of Stockholm, SE)  
Energetics and dynamics of translocon-mediated membrane-protein insertion
- 1.3** 10:00 – 10:40 Kvido Strisovsky (IOCB AS CR, Prague, CZ)  
Proteolysis in lipid membrane: substrate specificity and mechanism of rhomboids
- 10:40 – 11:00 Coffee Break
- 1.4** 11:00 – 11:40 Anne Ulrich (Universitat Karlsruhe, DE)  
Charge zippers: a novel motif for folding and self-assembly of membrane proteins
- 1.5** 11:40 – 12:20 Valerie Daggett (University of Washington, Seattle, USA)  
Proteins in different environments: the effect of osmolytes, lipids, and neighboring proteins on protein unfolding

12:30 – 14:00 Lunch

### Session 2. Proteins in osmolytes, denaturants and salts

Chairman Valerie Daggett

- 2.1** 14:00 – 14:40 George Rose (Johns Hopkins University, Baltimore, USA)  
Protein domains – a thermodynamic definition
- 2.2** 14:40 – 15:20 George Makhatadze I (Rensselaer Polytechnic Institute, USA)  
Protein folding and aggregation: linking computation and experiment
- 2.3** 15:20 – 16:00 Jim Warwicker (Manchester Interdisciplinary Biocentre, UK)  
Continuum electrostatics models for biology
- 16:00 – 16:20 Coffee Break
- 2.4** 16:20 – 17:00 Vladimir Uversky (University of South Florida, Tampa, USA)  
Intrinsically disordered proteins in salted water and thick soup
- 2.5** 17:00 – 17:40 Stefano Gianni (University of Roma, IT)  
Nearly identical, yet very different: addressing the folding of proteins with increasing degree of sequence identities but different structure and function