

FRONTIERS IN PROTEIN SCIENCE

8th Workshop in Protein.DTU, 1 November 2012
Building 306, Lecture Hall 31

- 08:30 - 09:00 **Arrival & Breakfast**
- Chair: Birte Svensson (Professor, DTU Systems Biology)
- 09:00 - 09:15 Welcome by **Egon Bech Hansen** (Head of Department, DTU Systems Biology)
- Chair: Günther H.J. Peters (Associate Professor, DTU Chemistry)
- 09:15 - 09:45 **Ingemar André** (Assistant Professor, Department of Biochemistry and Structural Biology, Lund University, Lund, Sweden)
Design and prediction of protein assembly structure
- Chair: Peter M.H. Heegaard (Professor, DTU Vet)
- 09:45 - 10:15 **Ruth Hüttenhain** (PhD, Institute of Molecular Systems Biology, ETH, Zürich, Switzerland)
Targeted proteomics for the verification of cancer biomarkers in blood plasma
- Chair: Kristoffer Almdal (Professor, DTU Nanotech)
- 10:15 - 10:45 **Lise Arleth** (Professor, The Nanobioscience Group, Niels Bohr Institute, University of Copenhagen)
Biomacromolecules investigated by small-angle neutron and X-ray scattering
- 10:45 - 11:15 **Coffee Break**
- Chair: Eric Huusfeldt Larsen (Senior Researcher, DTU Food)
- 11:15 - 11:45 **Jörg Bettmer** (Ramón y Cajal Researcher, Department of Physical and Analytical Chemistry, University of Oviedo, Spain)
Chasing metals in biological systems: (Elemental) mass spectrometry in metalloprotein analysis
- Chair: Flemming Jessen (Senior Scientist, DTU Food)
- 11:45 - 12:15 **Henrik Clausen** (Professor, Department of Cellular and Molecular Medicine, University of Copenhagen)
Mining the O-glycoproteome using ZFN engineered human cell lines
- 12:15 - 13:00 **Lunch**
- Chairs: Kristoffer Almdal, Jenny Emnéus, Birte Svensson
- 13:00 - 14:30 **Poster Session, coffee, drinks and cake**

- 14:30 – 15:00 Chair: Maher Abou Hachem (Associate Professor, DTU Systems Biology)
Sarah Snogerup Linse (Professor, Department of Biochemistry and Structural Biology, Lund University, Lund, Sweden)
Mechanism of amyloid-beta-42 aggregation and the role of inhibitors?
- 15:00 – 15:30 Chair: Jenny Emnéus (Professor, DTU Nanotech)
Robert C. Ford (Professor, Faculty of Life Sciences, University of Manchester, UK)
Three-dimensional structure of the ABC transporter involved in cystic fibrosis
- 15:30 – 16:00 Chair: Birte Svensson (Professor, DTU Systems Biology)
Kiyohiko Igarashi (Associate Professor, Forest Chemistry Laboratory, Department of Biomaterial Sciences, University of Tokyo, Japan)
Single molecular observations of processive cellulases and chitinases for for effective degradation of crystalline structural polysaccharides
- 16:00 – 17:00 **Closing and “time for a beer”**