

# TECHNOLOGIES IN PROTEIN SCIENCE

4<sup>th</sup> Workshop in Protein.DTU, 12 November 2010  
Building 306, Lecture Hall 31

## FINAL PROGRAMME

- 08:30 – 08:55 Arrival: registration, poster setup and breakfast
- 08:55 – 09:00 Welcome by Birte Svensson (Professor, DTU Systems Biology)
- 09:00 – 09:15 Introductory address **Martin P. Bendsøe** (Dean of Graduate Studies and International Affairs, DTU)
- Chair: Peter M.H. Heegaard (Professor, DTU Vet)
- 09:15 – 09:45 **Daniel Otzen** (Professor, iNano, University of Aarhus)  
“How to measure protein aggregation and what to do about it”
- Chair: Günther H. Peters (Associate Professor, DTU Chemistry)
- 09:45 – 10:15 **Thomas Andresen** (Senior Researcher, DTU Nanotech)  
“Calorimetry goes nano – new possibilities for studying molecular interactions”
- Chair: Flemming Jessen (Senior Scientist, DTU Food)
- 10:15 – 10:45 **Henning Urlaub** (Professor, Bioanalytical Mass Spectrometry Group, Max Planck Institute for Biophysical Chemistry, Göttingen, Germany)  
“Absolute quantification for determination of stoichiometries within protein complexes - challenges and pitfalls”
- 10:45 – 11:15 Coffee break
- Chair: Birte Svensson (Professor, DTU Systems Biology)
- 11:15 – 11:45 **Thomas Hamelryck** (Associate Professor, Department of Biology, University of Copenhagen)  
“Machine learning and probabilistic models capture the physics of proteins: from theory to applications”
- Chair: Charlotte Bernhard Madsen (Research Leader, DTU Food)
- 11:45 – 12:15 **Jenny Emnéus** (Professor, DTU Nanotech)  
“Micro- and nanoanalytical tools for exploring cellular dynamics at nanoscale”

- 12:15 – 12:45 Lunch and poster session
- Chair: Kristoffer Almdal, Peter M.H. Heegaard, Charlotte B. Madsen, Birte Svensson
- 12:45 – 13:15 **Presenters** at odd numbered posters
- 13:15 – 13:45 **Presenters** at even numbered posters
- Chair: Jenny Emnéus (Professor, DTU Nanotech)
- 13:45 – 14:15 **Kasper Lage** (Research Fellow, Pediatric Surgical Research Laboratory – MGH, Harvard Medical School, Broad Institute, CBS DTU Systems Biology)  
**“Diseases and genetics of protein networks driving human heart development”**
- Chair: Christine Finnie (Associate Professor, DTU Systems Biology)
- 14:15 – 14:45 **Jonas Borch** (Postdoctoral Fellow, Department of Biochemistry and Molecular Biology, University of Southern Denmark)  
**“Surface plasmon resonance: A versatile tool for analysis of protein interactions”**
- Chair: Kristoffer Almdal (Professor, DTU Nanotech)
- 14:45 – 15:15 **Seunghwan Lee** (Associate Professor, DTU Mechanical Engineering)  
**“Glycoproteins at the rubbing interfaces of biosystems”**
- 15:15 – 16:00 Closing and “time for a beer”