



**Protein Interactions
Workshop**
26 October 2016,
DTU, Kgs. Lyngby,
Building 208, Lecture Hall 54



- 08:30–09:00 **Arrival & Breakfast**
- 09:00–09:10 **Welcome**
- 09:10–09:40 ***"Cold spots in design and evolution of protein-protein interactions"***
Julia Shifman (Group leader, Department of Biological Chemistry, Hebrew University of Jerusalem, Israel)
Chair: Ingemar André, Associate Professor, Lund University
- 09:40–10:10 ***"Integrating experiments, energetics and evolution to study protein structure and dynamics"***
Kresten Lindorff-Larsen (Professor, Computational Protein Biophysics, Department of Biology, Copenhagen University, Denmark)
Chair: Birte Svensson, Professor, DTU
- 10:10–10:40 ***"Evolution and Design of Protein folds"***
Birte Höcker (Professor, Protein Design, Department of Biochemistry, University of Bayreuth, Germany)
Chair: Birte Svensson, Professor, DTU
- 10:40–11:05 **Coffee Break**
- 11:05–11:35 ***"Determining protein networks and protein-protein interfaces during Bacterial Infectious Diseases"***
Johan Malmström (Associate Professor, Division of Infection Medicine, Department of Clinical Sciences, Lund University, Sweden)
Chair: Birte Svensson, Professor, DTU
- 11:35–12:05 ***"Knowledge-based potentials: from hack to math"***
Thomas Hamelryck (Associate Professor, The Bioinformatics Centre, Department of Biology, Copenhagen University, Denmark)
Chair: Ingemar André, Associate Professor, Lund University
- 12:05 – 13:30 **Lunch and poster session**

Younger researcher's session

Chair: Marie Sofie Møller, Postdoc, DTU/Lund University

- 13:30–13:50 ***Surprising insights into SH3 domains from genetic interactions***
Amelie Stein (Postdoc, Biomolecular Sciences, Department of Biology, Copenhagen University, Denmark)
- 13:50–14:10 **TBA**
Line Abildgaard Ryberg (PhD student, DTU Chemistry, Technical University of Denmark)
- 14:10–14:30 **TBA**
- 14:30–15:00 ***"Binding affinity riddles in protein-protein interactions"***
Adrien Melquiond (Postdoc, Alexandre Bonvin group, Bijvoet Center for Biomolecular Research, Faculty of Science, Utrecht University)
Chair: Marie Sofie Møller, Postdoc, DTU/Lund University
- 15:00–15:20 **Coffee Break**
- 15:20–15:50 **TBA**
Emmanuel Levy (Group leader, Department of Structural Biology, Weizmann Institute of Science, Israel)
Chair: Ingemar André, Associate Professor, Lund University
- 15:50–16:20 ***"Studying protein dynamics to investigate protein-protein interactions"***
Giorgio Colombo, (Group leader, Istituto di Chimica del Riconoscimento Molecolare, CNR, Italy)
Chair: Marie Sofie Møller, Postdoc, DTU/Lund University
- 16:20–17:00 **End of day – "time for a beer" & posters**