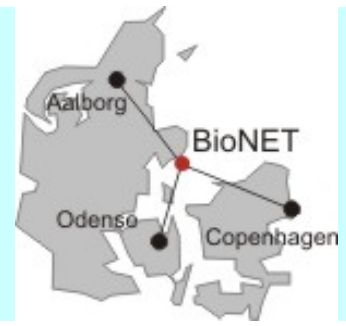


Danish Center for Experimental and Theoretical Biophysics

Annual Meeting, October 30-31, 2006



October 30

- 13.00-13.15 Welcome and introduction (Mogens H. Jensen, Center Director)
- 13.15-13.30 The SDU-node (Ole G. Mouritsen)
- 13.30-14.00 Models of Life (Kim Sneppen)
- 14.00-14.30 Exploring the diversity of protein conformational changes (Daniel Otzen)
- 14.30-15.00 *Coffee break*
- 15.00-15.30 Stretching of short nucleic acid polymers with optical tweezers (Nader Reihani)
- 15.30-16.00 Pulse propagation in nerves (Thomas Heimburg)
- 16.00-16.30 A large-scale investigation of the cellular plasma membrane nanostructure with native plasma membrane protein biosensors (Chris Lagerholm)
- 16.30-17.00 *Discussion*
- 17.00-18.00 Business meeting
- 18.00-18.30 Drinks
- 18.30 - ? Sushi Surprise

October 31

- 9.15- 9.45 Visit to the MEMPHYS laboratories
- 9.45-10.00 Modeling Epigenetics in Eukaryotes (Mille Michelsen)
- 10.00-10.15 Folding of membrane proteins and glucagon fibrillation (Peter Astrup Christensen)
- 10.15-10.30 Phase separation in phospholipid/cerebrosides/cholesterol model membranes (Matthia Fidorra)
- 10.30-11.00 *Coffee break*
- 11.00-11.15 Iron homeostasis in *E. coli* (Anna Andersson)
- 11.15-11.30 Association of OmpA fragments and unfolding of α -lactalbumin in detergents (Sanne S. Pedersen)
- 11.30-11.45 Patterns in genetic oscillations (Sandeep Krishna)
- 11.45-12.00 Current status in the generation of a membrane protein biosensor cell library (Eva Arnspang)
- 12.00-12.15 Towards structure prediction of folded and unfolded proteins (Jesper Borg)
- 12.15-12.30 Force spectroscopy applied to membrane proteins (Brian Vad)
- 12.30-14.00 *Lunch*
- 14.00-14.15 *In vitro* investigations of colliding RNA polymerases on DNA (Liselotte Jauffred)
- 14.15-14.30 Didactical reconstruction of current research on lipid membranes for students in upper secondary school - why is it necessary and how is it done? (Stinne Hørup Hansen)
- 14.30-14.45 Thermodynamic experiments on nerves (Kristmundur Sigmundsson)
- 14.45-15.00 Binding of surfactant proteins to membranes (Tony Ebdrup)
- 15.00-15.30 *Coffee break*
- 15.30-15.45 Bacterial amyloids (Morten Dueholm)
- 15.45-16.15 Fluorescence microscopy and membrane structure (Luis Bagatolli)
- 16.15-16.30 Concluding remarks and good bye