

BioNET meeting 4.-5 September 2008, University of Aarhus  
 Department of Molecular Biology, Aarhus University  
 Science Park  
 Gustav Wieds Vej 10C, 8000 Aarhus C.

Meeting room 1, 1<sup>st</sup> floor, Building 2 (Main Entrance)

Directions at: <http://www.mb.au.dk/en/about/global/institut/find.htm>

Programme

4<sup>th</sup> September

Time	Speaker	Title
11:30-12:30	Everybody	Arrival. Lunch at the canteen in the Science Park.
<i>Optical traps and membranes</i>		
12:30-12:55	Nader Reihan	How to produce the most efficient optical trap
12:55-13:20	Lene Oddershede	Variety in intracellular diffusion during the cell cycle
13:20-13:45	Tabita Winther	Protein mobility in the outer membrane of Escherichia coli
13:45-14:15	Everybody	Coffee break
<i>Membrane proteins</i>		
14:15-14:40	Eva Arnsparng Christensen	Multi color tracking of membrane proteins and lipids in lipid films and live cells using quantum dots as fluorescent probe.
14:40-15:05	Chris Lagerholm	BLAP, BLAP, BLAP – An update on genetic targeting of quantum dots.
15:05-15:30	Peter A. Christensen	Mistic and CLIC1
15:30-16:00	Everybody	Coffee break
16:00-16:25	Brian Vad	Antimicrobial peptides
16:25-16:50	Magnus Franzmann	Structure of an antimicrobial peptide.
17:00-18:00	Ole, Mogens, Daniel, Thomas, Kim, Lene	Meeting on BioNET II application
19:00	Everybody	Dinner

5<sup>th</sup> September

<i>Amyloid and modelling</i>		
9:00-9:25	Morten Dueholm	Bacterial amyloid
9:25-9:55	Kim Sneppen	Modelling Parkinson's Disease
9:55-10:10	Everybody	Coffee break

10:10-10:35	Lykke Pedersen	Independent Component Analysis in High-Dimensional Biological Data
10:35-11:00	Mikkel Avlund	<i>In silico</i> model of gene-segregation during range expansions
11:00-11:15	Everybody	Coffee break
<i>Membranes</i>		
11:15-11:40	Thomas Heimburg	Nerve pulses, anesthesia and permeation as one concept
11:40-12:05	Raghu Sankar	Impact of Ceramide3 on POPC Host Membranes: A Study on Structure of Thermodynamics
12:05-12:30	Maria Bloksgaard Mølgaard	LAURDAN Generalized Polarization Analysis as a Tool in Skin Diagnostics.
12:30-13:30	Everybody	Lunch and departure

Participants:

**University of Aarhus**

Daniel Otzen  
Poul Henning Jensen (Dept. of Medical  
Biochemistry)  
Morten Dueholm  
Brian Vad  
Peter Astrup Christensen  
Lise Giehm  
Dilip Debnath  
Kell Andersen  
Rajiv Vaid Basaiawmoit  
Vijay Shankar Balakrishnan  
Francesca Macchi  
Shirin Ghodke

**University of Aalborg**

Magnus Franzmann

**University of Copenhagen**

Mogens Høgh Jensen  
Thomas Heimburg  
Lene Oddershede

Kim Sneppen  
Lykke Pedersen  
Tabita Winther  
Mikkel Avlund  
Nader Reihani  
Simone Pigolotti  
Kristmundur Sigmundsson  
Ludwig Lizana  
Philip Gerle  
Silja Heilmann  
Sandeep Krishna  
Bartłomiej Dybiec  
Mille Michelsen

**University of Southern Denmark**

Ole G. Mouritsen  
Beate Klösgen  
Mathias Lysemose Clausen  
Raghu Sankar  
Maria Bloksgaard Mølgaard  
Eva Arnspang Christensen  
Chris Lagerholm