

# Kongsvoldmøtet 2012

## Preliminary Program

**Thursday 15 March**

Lunch: 1300 - 1430

Session 1: 1450 - 1630

Welcome		14:40
<b>Invited Presentation 1</b> <b>Assoc. Prof. Crister</b> <b>Ceberg</b>		14:50
Turid Torheim (UMB)	Multivariate analysis of DCE-MRI images of cervical cancer tumours	15:40
Ingerid Skjei Knudtsen (UiO)	Applications of 18FDG-PET imaging in the treatment of non-small-cell lung cancer (NSCLC)	16:05
Mercy Afadzi (NTNU)	Mechanisms of the Ultrasound-mediated Intracellular Delivery of Liposomes and Dextrans	16:30

*Coffee Break*

Session 2: 1700 - 1900

<u>Armend Gazmeno Håti</u> (NTNU)	Single molecule dynamic force spectroscopy of alginate-epimerase interactions	17:00
Florian Mumm (NTNU)	Cell impalement on transparent arrays of vertically aligned nanowires	17:25
Tatyana Sherstova (NTNU)	Friction and biopolymer coated surfaces: Influence of molecular properties of a substrate.	17:50
Pål Gunnar Ellingsen (NTNU)	Characterisation of articular cartilage using Mueller matrix imaging.	18:15

Dinner: 1930

## Friday 16. March

Session 3: 0900 - 1200

<b>Invited Presentation 2 Prof. Fredrik Höök</b>		09:00
Nina Kristine Reitan (NTNU)	Photostability of novel luminescent conjugated polythiophenes (LCPs) for detection of amyloid plaques in Alzheimer's disease	09:50
<i>Coffee Break</i>		10:15
Prof. B.T. Stokke (NTNU)	Understanding and exploitation of intermolecular interactions among non-crystalline biopolymers	10:45
Alex Rowe (CMBN/Rikshospitalet)	Single-molecule and molecular motor research at Rikshospitalet.	11:10
Katarzyna M. Psonka-Antonczyk (NTNU)	Monitoring the formation and maturation of amyloid $\beta$ in vitro using AFM and LCO fluorescence	11:35

Lunch: 12:00 – 13:00

Session 4: 1300 - 1500

<b>Invited Presentation 3 Prof. Johan Moan</b>	Sun and vitamin D.	13:00
Prof. Anders Johnsson (NTNU)	Some aspects on exposure to electromagnetic fields.	13:30
Sylvie Lelu (NTNU)	Characterizing macromolecular transport using image correlation spectroscopy	13:55
<i>Coffee Break</i>		14:20
Kristin E. Haugstad (NTNU)	Force probes with picoNewton sensitivity applied to study self interactions of mucins possessing the T and Tn cancer antigens.	14:45
Ole Mathis Opstad Kruse (UMB)	Identifying and Quantifying Tissue Damage using Image Analysis	15:10
Siv Aalbergsjø (UiO)	"Seeing" the molecules - using DFT calculations and periodic boundary conditions	15:35

Poster Session: 17:00 - 19:00

Conference Dinner: 1930

## Saturday 16. March

Skiing; Departure, ....