

1st Scientific meeting in Danish Bioimaging Network

8th of November 2017

The Faculty of Health and Medical Sciences, University of Copenhagen
Haderup auditorium, Nørre Alle 20, Copenhagen.

10:50

Welcome and Network updates
Clara Prats & Morten Schallburg Nielsen

Morning session. Chair: Michael Lisby and Christoffer Dinant

11:05-11:35

Keynote - Force-dependent regulation of adhesive contacts

Soichiro Yamada, Biomedical Engineering Department, University of California, Davis, USA.

11:35-11:55

Overview of in vivo imaging in animal experiments

Henrik Lauridsen, Clinical Medicine Department, Aarhus University Hospital

11:55-12:15

Whole tissue imaging of macrophage subsets in a mouse model of ovarian cancer

Anders Etzerodt, Biomedical Department, Aarhus University

12:15-12:35

High-Throughput Screening – Challenges & Opportunities

Jutta Maria Bulkescher, Center for Protein Research and Danish Stem Cell Center, University of Copenhagen

12:30-13:15

Lunch

Mid-session. Chair: Casper Hempel and Jonathan Brewer

13:15-13:35

Aquaporin-5 and the effects on cell adhesion

Lene N. Nejsum, Clinical Medicine Department, Aarhus University

13:35-13:55

Membrane damage and repair

Jesper Nylandsted, Membrane Integrity Group, Cell Death and Metabolism, Danish Cancer Society Research Center

13:55-14:15

Linear- and nonlinear optical microscopy combined with force measurements for the characterization of spider silk.

Irina Iachina, University of Southern Denmark

14:15-14:35

Electron microscopy characterization of nanomaterials; ex-situ, in-situ and in-vivo.

Poul Kempen, DTU NANOTECH, Department of Micro- and Nanotechnology, Technical University of Denmark

14:35-14:55

Coffee break

Sponsored by GE Healthcare

Afternoon session. Chair: Jon Sparring and Rasmus Reinhold Paulsen

14:55-15:15

Serial block face, segmentation and 3D rendering with Amira

Emilie Tresse-Gommeaux, BRIC, Copenhagen University

15:15-15:35

Application of deep learning for tissue-based cancer screening and research

Jeppe Thagaard, Visiopharm and DTU compute

15:35-15:55

Measuring sub-cellular structures in neurons from electron microscopy

Hans J.T. Stephensen, The Image group, Computer Science Department, University of Copenhagen

15:55-16:30

Selected Flash Talks

16:30-17:45

Poster session and networking – find your new collaborator!

Beers and snacks will be sponsored by Holm & Halby

17:45-18:00

Image and Poster prizes

Prizes sponsored by Zeiss



.... or go to: goo.gl/A9V9mQ