

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



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