7th Oulu BioImaging (OBI) Day, April 12th 2018

A joint event between imaging laboratories of University of Oulu and Oulu University Hospital

Theme: Presenting the personnel, imaging instruments and image analysis methodologies covering molecular and cell biology, medical and pre-clinical imaging, optoelectronics, material sciences, and machine vision techniques.

Date and time: Thu, April 12th, 2018, at 9:00 - 16:00.

Location: Pharmacology lecture hall F202, Kontinkangas Campus

Study credits: 0.3 ECTS (for lectures only) - 0.5 ECTS (lectures + participation to OBI Science Image Contest), registration here by April 2nd

More info: veli-pekka.ronkainen@oulu.fi, http://www.oulu.fi/obi/obi-day-2018

PROGRAM

Session 1
9:00-9:10 Lauri Eklund, University of Oulu: Opening Oulu BioImaging Day
9:10-9:30 Mika Kaakinen, UO: Monitoring safety and efficiency of blood brain barrier opening with multimodal optical and optoelectronical techniques in mice
9:30-9:50 Ilkka Miinalainen, UO: Biocenter Finland EM platform - applications and services
9:50 – 10:20 Sponsored Coffee, OBI Science Image Contest exhibition

Session 2
10:20-10:40 Timo Liimatainen, OYS: Magnetic Resonance Imaging of Myocardial Fibrosis
10:40-11:00 Janne Capra, UO: 3D cell cultures
11:00-11:30 Igor Meglinski, UO: Towards screening of brain malformations with a circularly polarized light
11:30 – 12:45 Lunch Break, voting for the best Science Image

Session 3
12:45-13:00 Linda Haals, Hamamatsu Photonics: your local supplier of optical sensors and components
13:00-13:20 Minna Patanen, UO: Soft X-ray spectromicroscopy applied to biomaterials
13:40-14:00 Markku Saari / Jouko Sandholm: Turku BioImaging: Superresolution light microscopy
14:00 – 14:30 Sponsored Coffee

Session 4
14:30-14:50 Heta Helakari, OYS: Spectral entropy of synchronous ultra-fast fMRI, EEG and NIRS data in drug-resistant epilepsy
14:50-15:10 Jarkko Koivunen, UO: High content live-cell imaging
15:10-15:45 Mohammad Tavakolian, UO: Towards contactless medical diagnosis using vision technologies
15:45-16.00 OBI Science Image Contest awards and closing the day