

# COMPUTATIONAL IMAGE ANALYSIS AND COMPUTER ASSISTED APPLICATIONS **WORKSHOP**

1 March 2019 · 13.00-18.00

## AGENDA

- 12:45 **Sandwich lunch buffet**
- 13:00 **Medical image analysis, modelling and simulation for computer assisted therapy**, Miguel A. Gonzalez Ballester, ICREA & Univ. Pompeu Fabra, Barcelona, Spain
- 13:45 **Image based analysis of cellular morphodynamics**, Till Bretschneider, Department of Computer Science, University of Warwick, United Kingdom
- 14:30 **Image analysis for investigation of intracellular transport processes**, Daniel Wüstner, Department of Biochemistry and Molecular Biology, SDU
- 15:00 **Coffee break**
- 15:20 **Quantifying vascular extracellular matrix components by use of fluorescence microscopy and machine learning**, Maria Bloksgaard, IMM Department of Cardiovascular and Renal Research, SDU
- 15:50 **Quantitative correlation-based analysis for Super-resolution images**, Zachary Glover, Department of Biochemistry and Molecular Biology, SDU
- 16:20 **Complex Analysis of Large 3D Datasets for Tumor Vasculature Characterization**, Serhii Kostrikov, DTU Health Tech
- 16:50 **Deep Learning For Image Analysis**, Bjarne Thorsted, Department of Biochemistry and Molecular Biology, SDU
- 17:20 **Beer & crisps**

**REGISTRATION:** by sending email to: [katarzyna@mci.sdu.dk](mailto:katarzyna@mci.sdu.dk)  
no later than 26th of February 2019

Host: Mads Clausen Institute, SDU

Location: Room U101, Alsiion 2, Sønderborg

Organizers: Jacek Fiutowski, Jonathan Brewer