

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
- 15:45 **Quantitative correlation-based analysis for Super-resolution images**, Zachary Glover, Department of Biochemistry and Molecular Biology, SDU
- 16:10 **Complex Analysis of Large 3D Datasets for Tumor Vasculature Characterization**, Serhii Kostrikov, DTU Health Tech
- 16:35 **Deep Learning For Image Analysis**, Bjarne Thorsted, Department of Biochemistry and Molecular Biology, SDU
- 17:00 **Hybrid Imaging Modalities - challenges and perspectives for AI**, Thomas Lund Andersen, Dept. of Nuclear Medicine, OUH
- 17:30 **Beer & crisps**

REGISTRATION: no later than 26th of February 2019

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Host: Mads Clausen Institute, SDU

Location: Room U101, Alision 2, Sønderborg

Organizers: Jacek Fiutowski, Jonathan Brewer