

June 4th, 2020

14:00 - 14:15 *Opening ceremony*

Session 1: Vascular specialization at organ interfaces

- 14:15 - 15:00 **Kari Alitalo (Helsinki)**
Growth and dynamics of organotypic vasculature
- 15:00 - 15:30 **Erik Bakker (Amsterdam)**
tba
- 15:30 - 16:00 **Serge van de Pavert (Marseille)**
A new peri-vascular macrophage population in the brain
- 16:00 - 16:30 *Coffee break*
- 16:30 - 17:00 **Tanya Petrova (Lausanne)**
Imaging small intestinal stroma
- 17:00 - 17:30 **Oliver Stone (Oxford)**
Developmental origins of endothelial cells
- 17:30 - 17:50 **Mara Pitulescu (Münster)**
Essential roles of EphB4/ephrin-B2 signaling in blood vessel morphogenesis
- 17:50 - 18:20 **Peter McCourt (Tromsø)**
Using old drugs to make old livers young again - potential therapies to restore defenestrated liver endothelium

June 5th, 2020

Session 2: Imaging and image analysis

- 09:00 - 09:30 **Florian Jug (Dresden)**
Image Restoration Simplifies Microscopy Data Analysis - a talk about methods and applications
- 09:30 - 10:00 **Xiaoyi Jiang (Münster)**
Machine Learning for Biomedical Imaging
- 10:00 - 10:30 **Benedikt Wirth (Münster)**
Sparsity, optimal transport, manifold data: Modern mathematical concepts in imaging
- 10:30 - 11:00 *Coffee break*
- 11:00 - 11:30 **Arne Möller (Frankfurt)**
Cryo-EM analysis of ABC transporter dynamics under turnover conditions
- 11:30 - 12:00 **Daniel Wüstner (Odense)**
Quantitative imaging of sterol transport through the lysosome
- 12:00 - 14:00 *Lunch break*

Session 3: CRC - Young investigators

- 14:00 - 14:15 **Esther Hoppe (Münster)**
Specialization of abdominal lymphatic vessels
- 14:15 - 14:30 **Carolina Camelo (Münster)**
Membrane dynamics and cell mechanics during epithelial tube fusion
- 14:30 - 14:50 **Sai Krishnan (Münster)**
Investigating compensatory endocytosis using Xenapses, TIRF-amenable synapses

Session 4: Neuronal interfaces

- 14:50 - 15:20 **Vladan Lucic (München)**
Nanoscale organization of neuronal synapses by cryo-electron tomography
- 15:20 - 15:50 **Jenny E. Hinshaw (NIH)**
Capturing the Sequential Steps of Dynamin-mediated Fission by Cryo-EM
- 15:50 - 16:30 *Coffee break*
- 16:30 - 17:00 **Matthjis Verhage (Amsterdam)**
Imaging secretory pathways in mouse and human CNS neurons
- 17:00 - 17:45 **Nils Brose (Göttingen)**
Dynamic control of presynaptic function in health and disease

June 6th, 2020

Session 5: Subcellular interfaces and infection

- 09:00 - 09:30 **Britta Qualmann (Jena)**
Membrane remodeling in neuromorphogenesis
- 09:30 - 10:00 **Ling-Gang Wu (NIH)**
Illuminating membrane structural changes of fusion and fission in live cells
- 10:00 - 10:30 **Stephan Sigrist (Berlin)**
tba
- 10:30 - 11:00 *Coffee break*
- 11:00 - 11:30 **Thomas Huser (Bielefeld)**
Imaging cellular nanopores in living endothelial cells by video-rate super-resolution microscopy
- 11:30 - 12:00 **N.N. (Münster)**
tba
- 12:00 - 12:30 **Christian Strassert (Münster)**
Coordination compounds as multiscale-multimodal imaging agents