

Preliminary Program “MAX IV: new possibilities for breakthrough research”

- 09:00 – 09:05 Welcome, introduction & scope (organisers)
- 09:05 – 09:20 Anders Gustafsson (KI) - *Grant announcements with aim to bring MAX IV closer to medical research programs at KI*
- 09:20 – 09:50 Karina Thånell (MAX IV) - *An overview of imaging beamlines and techniques at MAX IV*
- 09:50 – 10:40 Sergey Kapishnikov (KU & Weizmann Institute of Science)
Biocrystallization in Plasmodium as a promising antimalarial drug target: a synchrotron X-ray study
- 10:40 – 11:00 Coffee Break
- 11:00 – 11:30 Oxana Klementieva (BMC, LU) - *Correlative super-resolution optical photothermal infrared and X-ray fluorescence microspectroscopy for label-free imaging of amyloids and metal ions in cells*
- 11:30 – 12:00 Henrik Birkedal (Aarhus U) - *Synchrotron X-ray imaging of bone: cellular networks and bone biomineralization*
- 12:00 – 13:00 Lunch
- 13:00 – 13:30 Karin Tran-Lundmark (BMC, LU)
Synchrotron-based phase contrast micro-CT for an increased understanding of pulmonary vascular disease
- 13:30 – 14:00 Linda Sandblad (UmU, SciLifeLab)
National Nodes for sample preparation - To use EM sample preparation methods beyond EM
- 14:00 – 14:15 Coffee Break
- 14:15 – 14:45 *Break-out sessions* - Ulf Johansson (NanoMAX) - *How is X-ray fluorescence microscopy done in practice?*
Rajmund Mokso (MedMAX) - *Is tomographic microscopy important in pre-clinical studies?*
- 14:45 – 15:05 Marjolein Thunnissen (MAX IV) – *How to submit a research proposal to MAX IV*
- 15:05 – 15:15 Summary & Close out