

RÅC Workshop on Sample Delivery for Serial Crystallography

Monday 22 May 2023 - Tuesday 23 May 2023

MAX IV Laboratory

Workshop Programme

RÅC Workshop on Sample Delivery for Serial Crystallography
May 22-23, MAX IV Laboratory, Lund, Sweden

Monday May 22

12:00 – 13:00 Lunch

MAX III meeting room

13:00 – 13:10 Welcome

13:10 – 13:45 Sample delivery review (Adam Round, European XFEL)

13:45 – 14:15 Presentations of participants

14:15 – 14:45 Structural biology at MAX IV (Ana Gonzalez, Kajsa Sigfridsson Clauss, tbc)

Break

15:15 – 15:45 Serial crystallography at MAX IV (Oskar Aurelius)

15:45 – 16:15 Serial crystallography with a tape drive (Vivek Srinivas, Stockholm University)

Break

16:30 – 17:15 Hate and love relationship with sample delivery

18:30 – 20:30 Dinner

Tuesday May 23

08:30 – 09:45 Tour of MAX IV, the MX beamline hutches and support labs

Break

10:00 – 12:00 Demonstration stations (3x)

Lunch

13:00 – 15:00 Demonstration stations (3x)

Fika and mingle

15:30 – 16:15 Close-out session

Demonstration stations:

- Humidity box fixed-target [Aaron Finke] - MicroMAX Sample prep lab
- HVE injector assembly [Monika Bjelčić] - BioMAX Sample prep lab
- Serial-X mixing [Per Börjesson, University of Gothenburg] - BioMAX Sample prep lab
- AdaptoCell offline spectroscopy [Kajsa Sigfridsson Clauss] - BioLab
- MD3-UP SSX diagnostics [Mirko Milas] - MicroMAX EH1
- Sample characterisation – imaging [Oskar Aurelius] - MicroMAX Sample prep lab