

APS Training #6: Dynamic X-ray Crystallography

Thursday, May 6, Morning

- 10:00 – 10:10 David Kissick (Advanced Photon Source, GM/CA, Argonne National Laboratory)
Opening Remarks
- 10:10 – 10:35 Darren A. Sherrell (Advanced Photon Source, SBC-CAT, Argonne National Laboratory)
Serial Crystallography at the APS
- 10:35 – 11:00 Alke Meents (Deutsches Elektronen-Synchrotron, DESY)
Microsecond Time Resolved Fixed-Target Serial Crystallography
- 11:00 – 11:25 Jose Martin Garcia (Instituto de Quimica Fisica Rocasolano, CSIC)
Monochromatic and Pink X-ray Beam Serial Synchrotron Crystallography with Viscous Jets
- 11:25 – 12:00 Mateusz Wilamowski (University of Chicago/Jagiellonian University)
Time-resolved Snapshots of Antibiotic Cleavage by LIMetallo- β -Lactamase
- 12:00 – 1:00 Lunch Break

Thursday, May 6, Afternoon

Demonstrations (subject to change): The afternoon session will take us through experiments at the three organizing beamlines and their capabilities, including sample preparation, handling, delivery, and analysis.

- 1:00 – 1:45 David Kissick (Advanced Photon Source, GM/CA, Argonne National Laboratory)
GM/CA, Sector 23
- 1:45 – 2:30 Darren A. Sherrell (Advanced Photon Source, SBC-CAT, Argonne National Laboratory) and Ryan Chard (Data Science and Learning Division, Argonne National Laboratory)
SBC-CAT, Sector 19
- 2:30 – 3:15 Robert Henning (The University of Chicago)
BioCARS, Sector 14
- 3:15 – 4:00 Closing Remarks and Open Discussion Period
- 4:00 Adjourn