

# Workflows at Diamond's tomography beamlines

*Monday, February 22, 2021 5:10 PM (1h 10m)*

Typical workflows for microtomography experiments at I12, I13-2 and DIAD will be presented. I12 (53-150keV) and I13-2 (8-30keV) are suited to large and small samples respectively, and the new beamline DIAD (7-38keV) will allow simultaneous imaging and diffraction for small samples. Methods for accurate beamline alignment and stable sample mounting will be discussed, together with the optimisation of scanning parameters for various ex and in situ scenarios. Software for beamline control (EPICS), data acquisition (GDA) and reconstruction (Savu) will be presented alongside methods and policies for data migration and archiving.

**Presenter:** ANDREW BODEY, ROBERT ATWOOD AND SHARIF AHMED (Diamond Light Source)