

SAT F: Macromolecular Synchrotron Data Collection Short Course

Time: Full-day

Date: Thursday, April 23

Course location: LOM 436C Conference Room

Organizers: Joseph Brunzelle (Northwestern University) and Spencer Anderson (Northwestern University)

Description: LS-CAT will host an x-ray diffraction data collection, strategy, and processing short course with theory and hands-on components for macromolecular crystallography. Attendees will learn about the latest methods and strategies in data collection and a multitude of software packages to process their data. Upon completion, attendees will have gained the practical experience collecting and processing data. Participants are encouraged to bring their own specimens for data collection, and to bring old data for the data-reduction tutorials.

LS-CAT has three state-of-the-art insertion device beamlines available and equipped with a pixel array detector (PAD), Eiger 9M, two Rayonix CCD detectors (MX300). Attendees will learn about the latest methods and strategies in data collection and a multitude of software packages to process their data. Students will be split into groups for the hands-on training sessions. Upon completing the workshop, attendees will have gained the practical experience collecting and processing data.