

User Support Specialist at the BioCAT Beamline at the Advanced Photon Source

The Biophysics Collaborative Access Team (BioCAT) at the Illinois Institute of Technology operates the world-class biological small angle X-ray scattering and diffraction beamline 18ID at the Advanced Photon Source (APS), Argonne National Laboratory (near Chicago, IL). The facility is used by scientists and students from university, government, and industrial labs around the world. These groups use BioCAT to conduct research in areas from basic biomedical research to translational medicine.

BioCAT is seeking an experienced biochemist to provide user support for our solution small angle X-ray scattering (SAXS). You will have primary responsibility for supporting both in-person and remote/mail-in SAXS users, and maintaining the state-of-the-art sample preparation and sample delivery and characterization equipment. You will also have the opportunity to collaborate scientifically with users if desired.

Responsibilities:

- Support an active user community, including users from academia, government, and industry, using solution SAXS on biological macromolecules for biomedical research.
- Contribute to the implementation of advanced experimental methodologies for SAXS.
- Train students and new users in data collection for SAXS.
- Maintain and enhance the sample preparation, characterization, and delivery capabilities for SAXS. This includes extensive liquid chromatography instrumentation.

Essential qualifications:

- M.S. or equivalent experience in biochemistry, biophysics, structural biology, or a related field.
- 3+ years of hands-on experience with biological macromolecule purification and/or characterization, especially liquid chromatography.
- Interest and ability to work in a fast-paced collaborative research environment.
- Ability to work and communicate effectively with technical experts, operations staff, and researchers at all levels, including students, postdocs, and facility users.

Experience with small angle scattering (either of neutrons or X-rays) is desirable, but training in this technique can be provided on the job.

For further information about the position, please contact BioCAT Director Tom Irving (irving@iit.edu) or Deputy Director Jesse Hopkins (jhopkins1@iit.edu). Applications received by August 9th are guaranteed full consideration, but applications will be accepted until the position is filled.

To apply, please send the following to Marie Clark (mclark19@iit.edu):

- A cover letter
- A curriculum vitae/resume

- The names and contact information for three references

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