IMCA-CAT
Industrial Macromolecular Crystallography Association
Collaborative Access Team

HAUPTMAN-WOODWARD
MEDICAL RESEARCH INSTITUTE

Current Opening

Synchrotron Macromolecular Crystallographer at IMCA-CAT

The Industrial Macromolecular Crystallography Association - Collaborative Access Team (IMCA-CAT) and the Hauptman-Woodward Medical Research Institute (HWI) seek an inventive macromolecular crystallographer to join the IMCA-CAT team in accelerating pharmaceutical drug discovery through synchrotron-based structural biology research. As an employee of HWI, you will be based at the center of the team's operations at the Advanced Photon Source (APS), Argonne National Laboratory, near Chicago, IL. This is an ideal position for a motivated scientist who is passionate about delivering strategic value, developing new technologies, and working in a high-powered, collaborative environment.

POSITION DESCRIPTION:

This is an exciting time to join IMCA-CAT. Underway this summer is the first of a two-phase upgrade that will significantly increase throughput and establish a strong foundation upon which to build capacity. The second phase upgrade, currently in design, will profoundly increase capacity and dramatically expand capability for challenging research projects.

The successful candidate will be an integral part of these upgrade activities while maintaining flow of diffraction data for pharmaceutical research projects. The candidate will work closely with IMCA-CAT colleagues in an inclusive and respectful environment, and is expected to take initiative and contribute to the team effort.

On any given day, you will do one or all of these things:

- Contribute to drug discovery research efforts using a growing portfolio of synchrotron sources.
- Enhance the structural biology programs for pharmaceutical structure-based drug design.
- Provide experiment support for scientists from the structural biology community who conduct research using the IMCA-CAT synchrotron beamlines.
- Ensure beamline instrumentation is operational and produces data of the highest quality.

- Expand the experiment envelope of the beamline.
- Establish efficient protocols for accelerating data acquisition while enhancing data security.
- Develop automated methods for acquiring quality data from challenging samples.
- Participate in highly collaborative working groups.
- Engage in the technical development of new strategies for ultra-high throughput.
- Collaborate with staff on strategically-aligned research and development projects.
- Communicate with researchers and present at meetings.
- Conduct independent and/or collaborative research.

DESIRED SKILLS and EXPERIENCE:

- PhD in a relevant field.
- Expertise in macromolecular crystallography.
- Outstanding experimental skills.
- Considerable mechanical skills.
- Highly collaborative and team-oriented approach to conducting work and solving problems.
- Excellent written and oral communication skills.
- Deeply proactive approach to meeting and exceeding goals.
- Ability to meet requirements for site access to Argonne National Laboratory.

TO APPLY:

Send an introductory email, cv, and contact information for three references to Lisa Keefe, IMCA-CAT Director and HWI Vice President of Advancing Therapeutics, at keefe@imca-cat.org.

LEARN MORE:

Visit our websites to learn more about IMCA-CAT (www.imca-cat.org) and HWI (www.hwi.buffalo.edu).

HWI is an equal opportunity employer.