

## Current Opening: **Beamline and Automation Engineer at IMCA-CAT**

The Industrial Macromolecular Crystallography Association - Collaborative Access Team (IMCA-CAT) and the Hauptman-Woodward Medical Research Institute (HWI) seek an inventive and skilled Beamline and Automation Engineer to join the IMCA-CAT team to accelerate pharmaceutical drug discovery through synchrotron-based structural biology research. The IMCA consortium which funds and provides strategic guidance to IMCA-CAT consists of AbbVie, Bristol Myers Squibb, Evotec, Janssen, Merck, Novartis, Pfizer, and Relay Therapeutics. 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 Beamline and Automation Engineer 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 are significant upgrades of our beamline to profoundly increase capacity and dramatically expand capability for challenging research projects. As a member of the IMCA-CAT team, you will be an integral part of these upgrade activities, lead beamline maintenance, development, and automation for optimal performance, participate in maintaining the flow of diffraction data for pharmaceutical research projects throughout the upgrade and beyond, and contribute to innovative developments that expand our experiment envelope. You will work closely with IMCA-CAT colleagues in an inclusive and respectful environment and will be expected to take initiative, work independently, and contribute to the team effort. On any given day, you will do one or more of these things:

- Lead the technological development and automation of the beamline and experiment facility.
- Provide technical support for the operation and development of the beamline and workflows.
- Maintain and upgrade beamline equipment to ensure optimal and reliable performance.
- Oversee all technical aspects of the beamline, including spares, supplies, servicing, and development.
- Conduct experiments supporting drug discovery research efforts at IMCA-CAT and a growing portfolio of synchrotron sources.
- Lead the development and implementation of new equipment and new technologies that improve the performance of the beamline, expand the experiment envelope, or automate processes.
- Communicate with industrial researchers and present at meetings.

### DESIRED SKILLS and EXPERIENCE:

- Associate's or Bachelor's degree in automation technology, engineering, or other relevant technological field.
- Five or more years of work experience in machine automation or other related technical field.
- Outstanding technical (mechanical, vacuum, and/or electrical) skills.
- Highly motivated to learn and further develop technical skills.
- Highly collaborative and team-oriented approach to conducting work, troubleshooting, and solving problems.
- Excellent written and oral communication and organizational skills; detail-oriented and thorough with work.
- Deeply proactive approach to meeting and exceeding goals.
- Ability to meet requirements for site access to Argonne National Laboratory.

### TO APPLY:

Send cover letter, resume, and contact information (name and email) for three references to Lisa Keefe, PhD, Executive Director of IMCA-CAT and Vice President for Advancing Therapeutics at HWI, at [keefe@imca-cat.org](mailto:keefe@imca-cat.org).

### LEARN MORE:

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

The compensation level for this full-time position will be competitive and commensurate with the candidate's qualifications. HWI provides a generous benefits package. HWI is an equal opportunity employer and is committed to creating a diverse and inclusive environment for all employees.