Cryo-EM Operator/Staff scientist

The cryo-electron microscopy (Cryo-EM) Center at the Hauptman-Woodward Medical Research Institute (HWI) is a resource for academic and industrial users. The center features a Glacios 200 kV microscope with Falcon IV and CETA-D detectors, in a dedicated facility with a grid preparation laboratory, control room, and additional microscope rooms configured for growth. The Cryo-EM Operator will be responsible for day-to-day operations, sample preparation and advice to users preparing their own samples, and data collection. We have a broad spectrum of projects, from basic research to drug discovery, and users with a wide range of cryo-EM expertise. This is an Institute-supported position.

The position is open immediately and based in Buffalo, NY and will remain open until filled. Application review will begin immediately.

Responsibilities:

• Assisting users with sample and grid preparation for 3D cryo-EM analysis.
• Day-to-day instrument operation, including image acquisition and microscope maintenance.
• Providing user support for initial analysis and image processing.
• Software maintenance.
• Work closely with Business Development to attract and retain academic and commercial users for the center.
• Collaborate with complementary resources including the National Crystallization Center, synchrotron facilities at IMCA-CAT, and a regional center for computational resources.
• Work effectively under the direction of the Center Director.
• Ensure instrumentation produces data of the highest possible quality.
• Communicate with vendors and engineers for maintenance and upgrade of equipment.
• Liaise with financial and accounting staff to record staff and microscope time on user projects.

Proven expertise in cryo-EM operation and use is required. Organizational skills, and strong written and oral communication abilities, including a good command of spoken and written English, are essential. Prior experience managing both internal and external projects is preferred. Good computational skills are an asset. Candidates are expected to have a PhD in a relevant field or equivalent experience, and a record of scientific productivity.

Benefits:
The Institute has a generous benefits package including fully covered health insurance, life insurance and parking. In addition, we offer affordable vision and dental plans as well as Flexible spending and dependent care accounts. The Institute offers a retirement plan.
About HWI and Buffalo, NY:
HWI has celebrated more than 60 years as an independent research institute and is continually growing. Located in Buffalo, New York, HWI is at the heart of the growing Buffalo Niagara Medical Campus and partners with the University at Buffalo, Roswell Park Comprehensive Cancer Center, University of Rochester and numerous others. It also has links to industry and operates the IMCA-CAT beamline at the Advanced Photon Source outside of Chicago. Buffalo offers a vast array of community organizations which add to the richness of the area and also offer people many opportunities to grow and contribute. Housing is one of the most affordable in the United States. HWI is committed to creating a diverse and inclusive environment for all employees. HWI as an equal opportunity employer, extends employment opportunities to qualified applicants and employees on a non-discriminatory basis without regard to race, color, sex, creed, age, religion, national origin, marital status, veteran status, sexual orientation, genetic predisposition, carrier status, or disability that would prevent the performance of the essential requirements of the job with or without a reasonable accommodation in compliance with the appropriate New York State and Federal laws, or any other legally protected characteristics. This policy applies to all conditions and terms of employment.

To apply:
Please send an introductory e-mail, CV and names of 3 references to the Institute at opportunity@hwi.buffalo.edu.