Cornell University
Cornell High Energy
Synchrotron Source

BioSAXS Postdoctoral Associate position at MacCHESS

The Macromolecular Diffraction Facility of the Cornell High-Energy Synchrotron Source (MacCHESS) has an opening for a Postdoctoral Associate. Applicants should have a Ph.D. degree in a relevant field (physics, engineering, structural biology etc.). Preference will be given to those with experience in x-ray solution scattering on biological systems (SAXS and WAXS). Activities will focus on developing cryogenic BioSAXS technology and implementing time-resolved BioSAXS. Projects may also involve developing novel microfluidic lab-on-a-chip methods, applying state-of-the art algorithms to data (especially as relating to mixtures of oligomers and time-resolved data) and automating data processing at the beamline. Size exclusion chromatography (SEC), multiangle and dynamic light scattering (MALS/DLS) experience is desirable as is engineering experience developing hardware and software (incluing nanofabrication). Software development will be done primarily in Python. While MacCHESS postdocs are not required to do general beamline user support, they will be expected to help with the annual BioSAXS Essentials training course and to work closely with beamline users with whom they are collaborating. Good clear communication skills are a must, including fluency in the English language. Appointments are for one year at a time and are renewable for additional years, contingent upon availability of funds and employee performance.

Located on an Ivy League university campus in picturesque upstate New York, the Cornell High-Energy Synchrotron Source (CHESS) serves a world-wide user base of structural biologists, chemists, physicists, and engineers. MacCHESS is an NIH-supported National Resource providing support for structural biology at CHESS. MacCHESS is a heavily team-oriented environment.

Applications should be submitted at http://academicjobsonline.org/ (posting #5329) and should include a cover letter, a CV, a list of publications, and a detailed summary of research experience and interests. Applicants must arrange to have at least three letters of recommendation sent, as per instructions on the academicjobsonline website. The starting date is negotiable. For information about the position, contact Dr. Marian Szebenyi at dms35@cornell.edu.

Diversity and Inclusion are a part of Cornell University's heritage. We're a recognized employer and educator valuing AA/EEO, Protected Veterans, and Individuals with Disabilities.