

Jr. Research Beamline Scientist position at Institute for Molecular Engineering (IME), The University of Chicago

The University of Chicago Institute for Molecular Engineering is seeking a Jr. Research Beamline Scientist in the area of small-angle x-ray scattering (SAXS) to work at ChemMatCARS, a national synchrotron x-ray user research facility at Sector 15 of the Advanced Photon Source (APS) at Argonne National Laboratory (ANL). This is a two-year term position, renewable subject to funding availability. The successful applicant for this scientific position will be responsible for the implementation of resonance and anomalous SAXS at Sector 15, the development of experimental sample environments, and for support of scientific users conducting research with SAXS at ChemMatCARS. The candidate is also expected to engage in collaborative research with ChemMatCARS users and staff. Additional responsibilities include participation in the development and maintenance of the beamline control system and beam delivery optics. This position requires a Ph.D. in the Physical Sciences with a minimum of two years of experience in conducting experimental research in polymer or soft matter science using SAXS at synchrotron x-ray facilities. Expertise in the use of resonance and anomalous SAXS, or a demonstrated ability to acquire this expertise, is especially beneficial. Strong computer programming and instrumentation interface skills, or a demonstrated ability to acquire such skills, in EPICS, SPEC, Python and C programming languages, as well as a knowledge of Linux based operating systems, are highly desirable. The ability to work well as a team member and independently is required, as is the capacity to work in an environment with strict safety regulations. The successful applicant must be able to satisfy the requirements for access to Argonne National Laboratory.

Candidates must apply on line at <http://jobopportunities.uchicago.edu>, (Requisition #100233), which provides detailed information on job description and required qualifications. The University of Chicago is an affirmative action/equal opportunity employer.