Jr. Beamline Scientist for Small Molecule Crystallography, ChemMatCARS (Sector 15)

University of Chicago, Center for Advanced Radiation Sources (CARS)

The University of Chicago Center for Advanced Radiation Sources (CARS) is seeking a junior Beamline Scientist in the area of single crystal small molecule X-ray diffraction to join ChemMatCARS, a national synchrotron X-ray user research facility at Sector 15 of the Advanced Photon Source (APS) at Argonne National Laboratory (ANL). The successful applicant for this full-time scientific position will be responsible for providing support for scientific users conducting research at ChemMatCARS. Additional responsibilities include development and maintenance of the advanced crystallographic instrumentation as well as participation in the development and maintenance of the beamline control system. This position requires a PhD in a Physical Sciences field. A minimum of two years of synchrotron experience in conducting experimental research in dynamic and photo crystallography at synchrotron facilities is required. Expertise in the full range of synchrotron X-ray techniques, including the use of high energy X-rays (30 keV to 70 keV), for studying dynamic, photo crystallography and time-resolved crystallography or high-pressure studies is especially beneficial. Strong computer programming and instrumentation interface skills in EPICS, Python and C programming languages, as well as knowledge of Linux based operating systems, and expertise in the field-programmable gate array (FPGA) for studying time-resolved crystallography are highly desirable. The ability to work in an environment with strict safety regulations required. Must satisfy all access requirements for Argonne National Lab and complete all ANL required training.

Candidates must apply on line at http://jobopportunities.uchicago.edu, (Requisition #099968), which provides detailed information on job description and required qualifications. The University of Chicago is an affirmative action/equal opportunity employer.