

**Physicist**  
**APS X-Ray Science, Advanced Photon Source (APS)**  
**Argonne National Laboratory**  
**Southwest Suburbs of Chicago, Illinois**

*Argonne National Laboratory is a Department of Energy national laboratory with over 1,500 scientists and engineers performing world-class research aimed at solving the nation's energy, environmental and security challenges. Argonne is located 25 miles southwest of Chicago on a beautiful 1,500-acre campus.*

Description:

The National Institute of General Medical Sciences and National Cancer Institute Structural Biology Facility, in the X-Ray Science Division of the Advanced Photon Source at Argonne National Laboratory is a leader in developing micro-crystallography capabilities that have enabled visiting scientist to study some of the most challenging problems in structural biology. We seek an individual to join the scientific team and participate in ongoing development, commissioning, maintenance, and operation of the GM/CA@APS X-ray beamlines. Particular responsibilities include characterization and diagnosis of X-ray optical equipment; and characterization of beam properties with an emphasis on automation and improved spatial and temporal beam stability. The successful candidate will be responsible for writing and maintaining documentation and protocols describing beamline components and their use. Additional responsibilities include providing user support and training, and participating in beamline or methodology related research and development projects.

The APS X-ray Science Division (XSD) enables world-class research using x-rays. XSD develops cutting edge x-ray instrumentation and techniques, pursues research in physical, chemical, environmental and materials science and operates 34 beamlines at the Advanced Photon Source. You can view more information on XSD at their website: [http://www.aps.anl.gov/Xray\\_Science\\_Division/](http://www.aps.anl.gov/Xray_Science_Division/).

To be considered you must have:

- Ph.D. and 4+ years experience/equivalent, Master's Degree and 5+ years of experience/equivalent, or Bachelor's Degree and 8+ years experience/equivalent;
- The level of scientific knowledge and sophistication required is normally associated with a Ph.D. in applied physics, materials science, or related disciplines;
- Knowledge of synchrotron radiation, x-ray optics, detectors and precision instrumentation;
- Skill in synchrotron radiation applications such crystallography, small angle x-ray scattering or x-ray spectroscopy;
- Considerable oral and written communication skills and the ability to work productively with a variety of experts from various technical fields;
- Ability to integrate and analyze information from multiple diverse sources, to identify issues, to develop solutions and to communicate work direction and strategies; and
- Demonstrated expertise in some of the following areas: electronics, mechanical engineering, automation, technical writing, equipment testing, and mechanical aptitude.

We offer a competitive salary and an excellent benefits package. For consideration, please apply via our website at: <http://web.anl.gov/jobsearch/detail.jsp?userreqid=319162+XSD&lsBrowse=ALL>.

Argonne is an equal opportunity employer; we value diversity in our workforce.