

## **Beamline Engineer Position at LRL-CAT (Lilly Research Laboratories)**

Lilly Research Laboratories (LRL) is a special part of Lilly where drug discovery and innovation happen. We incorporate unique abilities to discover the medicines that will impact the lives of patients around the world. The Discovery Chemistry Research and Technology (DCRT) team is an integral part of this mission. Within DCRT, our LRL-CAT team operates an X-ray synchrotron beamline for protein crystallography. This team is located at the Argonne National Laboratory in the Advanced Photon Source (APS) in Lemont, IL. We are responsible for the acquisition, processing and delivery of diffraction data from macromolecular samples prepared by LRL structural biologists to be used in the discovery, design and development of drugs.

We are looking for someone with deep expertise to work in a synchrotron light source and with the beamline team to maintain optimal performance.

### Responsibilities:

- Collaborate with the team to design, procure, install, commission and maintain beamline equipment and upgrades related to high-resolution motion stages, x-ray beam conditioning elements, sample environment elements, x-ray optics systems, high/ultra-high vacuum systems, cryogenic systems, automated sample changers, X-ray data collection detectors and computer/network infrastructures.
- Jointly develop concepts and plans for systems needed for the upgrade of the APS (APS-U).
- Collaborate in all the tasks needed to prepare for the APS Upgrade, namely: installation/commissioning of the new focusing mirrors, beamline move/shift, stage modifications of elements upstream of the monochromator, X-ray beam alignment, and beamline commissioning.
- Handle samples, daily optimize X-ray beam and collect macromolecular crystallographic diffraction.

Are you ready to bring your technical experience and join a team working innovatively to get medicines to patients quicker? Apply today! We want you on our team!

**Click on link below for full position description, qualifications and application:**

[https://lilly.wd5.myworkdayjobs.com/LLY/job/US-Argonne-Labs-Lemont-IL/Engineer-Beamline\\_R-36567](https://lilly.wd5.myworkdayjobs.com/LLY/job/US-Argonne-Labs-Lemont-IL/Engineer-Beamline_R-36567)