

X-Ray Crystallography Manager

Employer

University of Oklahoma – Department of Chemistry and Biochemistry

Location

Norman, Oklahoma

Salary Range

\$72,500 annually, commensurate with credentials, qualifications, and experience

Closing Date

Dec 31, 2024

Work Function

Facility Management, Instrument Maintenance, Education, Facilitation of Research

Job Details

X-Ray Crystallography Manager – Chemistry

Department of Chemistry and Biochemistry, University of Oklahoma

Norman, Oklahoma

About the Department

The Department of Chemistry and Biochemistry at the University of Oklahoma provides a highly interactive environment to solve some of the most pressing challenges of our time. The department is located at the Stephenson Life Sciences Research Center, which is home to several major core facilities and research support services, including mass spectrometry, nuclear magnetic resonance spectroscopy, X-ray diffraction, and protein production facilities. The department offers undergraduate and graduate levels education for chemists and scientists; supports interdisciplinary research for the advancement of sciences; and disseminates information to increase public awareness of the impacts of sciences. The mission of the Department of Chemistry and Biochemistry is to instruct students and provide expert advice to academic, industrial and government institutions on the role of chemistry and biochemistry in the natural world. More information about the department can be found at <https://www.ou.edu/cas/chemistry>.

The University of Oklahoma has been a beacon of diverse thinking and unbound exploration for more than 131 years. The mission of the University of Oklahoma is to provide the best possible educational experience for our students through excellence in teaching, research and creative activity, and service to the state and society. By channeling the strength of the many, here one is empowered to work in any way, become anything, and arrive anywhere.



Essential Duties and Responsibilities

The Department of Chemistry and Biochemistry is seeking to fill an X-Ray Crystallography Manager position immediately. This position maintains the daily operation of the small-molecule X-ray facility; offers technical consultation to crystal sample preparation; performs routine maintenance and repairs of equipment stored in the facility; ensures continuous operation of the small-molecule X-ray facility; handles operational budget and all financial transactions associated with the use of services offered by the facility; provides technical support to the instructional and research mission of the Department of Chemistry and Biochemistry.

Salary is commensurate with credentials, qualifications, and experience.

Major Duties and Responsibilities include but are not limited to:

- Collect crystallographic data for routine and difficult samples.
- Organize and manage sample processing for optimal facility utilization.
- Organize and manage X-ray diffractometer sign-up and scheduling policy.
- Ensure that operators are properly trained.
- Perform routine maintenance and repair of instrumentation.
- Utilize expert knowledge in appropriate software and hardware to effectively operate instrumentation for data collection and structure solving.
- Keep current on recent advancements in X-ray crystallography.
- Supervise hands-on use by researchers.
- Coordinate instrument acquisition planning and participate in preparation of proposals for new X-ray equipment.
- Provide instruction on the use of the department's diffractometer and crystallographic software.
- Perform related duties as needed to successfully fulfill the function of the position.

Qualifications

Master's degree, and 12 months related research experience, including supervision. Will accept 72 months of related research experience in lieu of the master's degree for a total of 84 months of related experience as equivalency/substitution.

Equal Employment Opportunity Statement

The University of Oklahoma, in compliance with all applicable federal and state laws and regulations, does not discriminate based on race, color, national origin, sex, sexual orientation, genetic information, gender identity, gender expression, age, religion, disability, political beliefs, or status as a veteran in any of its policies, practices, or procedures. This includes, but is not limited to, admissions, employment, financial aid, housing, services in educational programs or activities, and health care services that the University operates or provides.

To apply, visit <https://ou.taleo.net/careersection/2/jobdetail.ftl?job=242566>.