NMR Manager – Research Laboratory Specialist Lead

Since the 1800s, the Department of Chemistry has a long tradition of excellence in the chemical sciences and is a hub of chemistry research and innovations. We strive to support our students and faculty on the front lines of learning and research and to be a steward for our planet, our community, and our campus.

Achieving these goals cannot happen without the dedication and talents of our outstanding staff that play a vital role in success of the department. There are those that just want to do a job, but there are those who want to work with the Leaders & Best. If you value team over self, embrace collaboration, are accountable, flexible and optimistic, then the Department of Chemistry is the right fit for you.

Your Responsibilities Include:

- Daily oversight and management of our NMR instruments and Squid – maintain functionality, calibration, and optimization of instrumentation; maintain and repair electronics and radio frequency (Rf) components for all instrumentation in the NMR Recharge area, and Squid; clean and repair NMR and Squid instruments, install and tune NMR probes, setup instruments for specialized nuclei.
- Facilitate use of NMR and Squid instruments by students, researchers and faculty; provide basic training for faculty, researchers and students; create and provide training documents, consult with advance experimental design; and set-up of sophisticated NMR techniques.
- Oversee cryogen services for instrumentation; maintain superconducting state of NMR magnets; provide liquid and gas Helium service for Squid; and maintenance of liquid Helium cryogen levels of various instruments.
- Administer and maintain UNIX and Squid computers used with NMR instruments – conduct system backups, restorations, software updates and installations.

Experience we would like you to bring: PhD in Chemistry and five (5) or more years’ working knowledge of NMR and Squid instruments as well as techniques. Demonstrated ability to interact professionally with a diverse group of students, faculty and staff by providing high-level customer service. Ability to work independently as well as in a collaborative environment. Meticulous attention to detail and superior organizational skills. Demonstrated ability to initiate projects and carry them through to completion as well as the ability to pivot between competing tasks. Ability to work with a variety of
people internal and external to the University, including international service engineers and instrument manufacturers. Extensive experience using Microsoft Office and general knowledge of shared computing environments and financial reporting/oversight.

How to Apply

A cover letter is required for consideration for this position and should be attached as the first page of your resume. The cover letter should address your specific interest in the position and outline skills and experience that directly relate to this position.

Please visit: https://careers.umich.edu/job_detail/apply/191658

The University of Michigan is an equal opportunity/affirmative action employer.