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.

Job Summary

The University of Michigan is a world-class research environment. The College of Literature, Science and Arts is collaborating with the College of Pharmacy, Michigan Medicine and the Life Sciences Institute to establish a Nuclear Magnetic Resonance (NMR) research core with a focus on biomolecules. We seek a research-oriented facility director for four initial instruments, but with primary responsibility for experiments on two high-field instruments. Outreach, training, support, and collaboration with diverse users across the campus will be essential.

Responsibilities*

Duties generally include, but are not limited to, operation and routine maintenance of NMR instrumentation and the recruitment, training, and application support of core lab clients. The ideal candidate will:

Be a scientist with specialized knowledge in modern heteronuclear biomolecular NMR methods to support and collaborate in client NMR research. The position requires in-depth knowledge in parameter optimization, pulse-sequence development, triple-resonance assignments, structural calculation, and dynamics studies.

Advertise core capabilities and support and recruit new research laboratories with foci in chemical biology, medicinal chemistry, drug discovery, and structural biology. Consult and collaborate with the local and regional research community on NMR experiments, applications, and publication. Contribute to future equipment-acquisition grants and scientific proposals.

Train new clients, who are primarily graduate students and postdoctoral fellows. This includes assisting individual users in NMR experiment planning, data collection, data analysis, pulse-sequence implementation/modification, and evaluating and interpreting data.

Perform technical operations including cryogen fills; monitoring, operating and calibrating 600 and new 800 MHz NMR instrumentation; coordinating with IT to maintain software and network operations.

Administrative duties include scheduling and providing training to new clients, tracking and reporting usage for billing, and coordinating with instrument manufacturers as needed for maintenance and repair.

Required Qualifications*

Ph.D. in biomolecular NMR and at least two years of postdoctoral experience in an NMR research group with NMR productivity as evidenced by publication record.

Strong interpersonal skills along with demonstrated verbal and written communication skills.
Ability to work independently and assist other team members when necessary

Must be able to move up to 30 lbs and maneuver carts with heavy supplies and cryogen tanks

**Desired Qualifications**

Experience with solution NMR methods in nucleic acid structure analysis and/or protein-ligand interaction

Experience with both Varian and Bruker NMR instrumentation

Experience with solid state NMR

Previous experience running an NMR core laboratory

Track record of providing NMR training and preparing grant proposals

**Additional Information**

The College of Literature, Science, and the Arts seeks to recruit and retain a diverse workforce as a reflection of our commitments to serve the diverse people of Michigan, fulfill the College’s Guiding Principles, and sustain the excellence of LSA.

To learn more about diversity, equity, and inclusion visit [http://lsa.umich.edu/lsa/about/diversity--equity-and-inclusion.html](http://lsa.umich.edu/lsa/about/diversity--equity-and-inclusion.html)

To learn more about LSA’s Guiding Principles visit [http://lsa.umich.edu/lsa/faculty-staff/human-resources/lsa-staff-guiding-principles.html](http://lsa.umich.edu/lsa/faculty-staff/human-resources/lsa-staff-guiding-principles.html)

Salary range of $65,000 to $80,000 with a higher salary possible based on the selected candidate’s experience

**Background Screening**

The University of Michigan conducts background checks on all job candidates upon acceptance of a contingent offer and may use a third party administrator to conduct background checks. Background checks will be performed in compliance with the Fair Credit Reporting Act.

**Mission Statement**

The mission of the University of Michigan is to serve the people of Michigan and the world through preeminence in creating, communicating, preserving and applying knowledge, art, and academic values, and in developing leaders and citizens who will challenge the present and enrich the future. The University of Michigan is committed to foster learning, creativity and productivity, and to support the vigorous exchange of ideas and information, not only in the classroom but in the workplace by:

- Creating a work environment in which people treat each other with respect and dignity, regardless of roles, responsibilities or differences.
- Providing support, direction and resources enabling us to accomplish the responsibilities of our jobs and to reach the goals that are set for professional and personal growth.

**Application Deadline**

Job openings are posted for a minimum of seven calendar days. This job may be removed from posting boards and filled anytime after the minimum posting period has ended.

**U-M EEO/AA Statement**

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