



NMR Facility Scientist

Olaris, Inc is currently looking to hire an NMR Facility Scientist.

The NMR Facility Scientist will manage and operate the NMR CLIA and R&D lab within Olaris, Inc., located in Framingham, MA 01702. The successful applicant will be working in a dynamic and exciting clinical laboratory and will be actively involved in research and development in metabolomic based biomarker discovery and diagnostic development. The current facility includes one Bruker 600 MHz NMRs equipped with cryoprobe and a similar 600 MHz that is being retrofit for similar specifications. Additional high field and benchtop magnets are planned.

Primary Responsibilities

NMR Facility Management

- Serve as a technical resource for Olaris team in the processing and reporting of clinical samples and the development of their research projects
- Provide experimental strategy and support for Olaris team including the design and implementation of standard and specialized NMR experiments
- Optimize instrument performance through preventative maintenance and upgrades, providing justification, budgeting, and project planning/supervision for small and large infrastructure projects where necessary
- Define technical specification for the NMR spectrometers and lead the processes for minor and major purchases in the facility
- In collaboration with CSO and data science team, manage and organize the NMR facility data-server
- Maintain an up-to-date knowledge and understanding of new technologies and capabilities in NMR technology including attending NMR user conferences and implement new techniques and equipment in the facility as time and budget permit
- Provide strategic direction (in consultation with the CSO and COO) for the facility's physical infrastructure, management structure, growth strategy and on-going operations
- Produce reports, presentations (scientific and administrative) that detail facility operations
- Prepare and maintain current Standard Operating Procedures (SOPs)
- Collaborate with NMR staff to run samples and provide data results as needed
- Supervise the resolution of ongoing equipment/experimental issues
- Use sound judgement for preliminary diagnosis of electronic malfunctions and equipment repairs
- Manage service contracts for repair / preventative maintenance of the equipment, and act as primary liaison with suppliers and contractors for quoting and statement-of-work purposes
- Responsible for the ongoing maintenance of supply lines needed to run the equipment including liquid nitrogen and helium. This includes scheduling cryogen deliveries, nitrogen fills and liquid helium fills

Training

- Prepare user guides and standard operating procedures (SOPs) of the NMR equipment



- Develop and implement training programs and documentation as each NMR user must receive extensive training before access to the equipment can be granted
- Provide each user with safety training for working around strong magnetic fields in a laboratory environment

Safety

- Responsible for all aspects of safety in the NMR facility, ensuring that procedures about high magnetic fields and safe handling of chemicals are in place and strictly adhered to by any facility users
- Maintain personal certifications as required by the Safety Officer and CLIA Technical Supervisor
- Maintain posted safety procedures including hazardous waste disposal, etc. to current standards
- Maintain equipment certifications and the associated records
- Maintain first aid kits and first aid certification
- Complete monthly safety inspections using Safely and report unsatisfactory reports to the Safety Officer

Required Qualifications

Education

PhD in relevant area of chemistry or biochemistry is required

Experience

- Minimum 5 years' experience in working with NMR spectrometers with extensive knowledge on NMR experiment implementation.
- 3+ years' experience in Facility Operations is preferred.
- Experience in utilizing solution state NMR spectroscopy, including experimental techniques and data analysis.

Knowledge/Skills/Abilities

- Strong understanding of NMR spectroscopy technique and instrumentation.
- Working knowledge and trained in providing safe magnet cryogen fills using liquid nitrogen and helium.
- Knowledge of safety procedures for NMR superconducting magnets and scientific equipment is required.
- Working knowledge and proven ability to operate and troubleshoot NMR software, hardware, and instrumentation is required.
- Expertise to guide users through the development and implementation of complex methods/analyses and the interpretation of resultant data to achieve project goals.
- Knowledge in metabolomics, small molecule or complex mixture analysis is preferred.
- Proven ability to maintain and repair the NMR spectrometers and communicate with users is required.



- Ability to manage multiple priorities in a fast-paced environment is essential.
- Supervisory skills including the fostering of effective teams and development of positive working relationships.
- Excellent written and oral communication skills required.

About Olaris

Our mission is to fundamentally change how diseases are diagnosed and treated. With our pioneering metabolomics platform and machine learning algorithms, we collaborate with patients and healthcare providers to identify, “biomarkers of response” that will be used to stratify patients to optimize outcomes and reduce adverse events.

Our Values:

Accountable to **SCIENCE**
Always strive for **BETTER**
Revolutionary **IMPACT**

You're the right candidate for Olaris if:

- you are passionate about the impact your work will have on the world
- you are hardworking, innovative, and take pride in your work
- you are excited about working at a high-energy, fast-paced, high growth startup
- you are independent, self-motivated and curious
- you are results-oriented
- you are able to work well with colleagues from diverse scientific backgrounds
- you believe in honest, transparency and will always show respect for your colleagues

Work Location

Olaris is located 175 Crossing Blvd. Framingham MA 01702. This position is expected to be on site daily.

Interested candidates are encouraged to send resume and cover letter to CSO Liz O'Day by e-mail at careers@myolaris.com for more information about the post and details.