

## **Analytical Chemist - NMR Spectroscopist**

### **Job Summary:**

This position is for an NMR Spectroscopist to join our team within the Discovery Chemistry Department to solve chemical structures using multinuclear solution-state NMR techniques on high field Bruker NMR instruments (400, 500, & 600 MHz) employing conventional and cryoprobe technologies. Core functions for this position include structure elucidation of compounds from discovery chemistry and process development including the identification and characterization of intermediates, final products, impurities, degradants, metabolites, as well as contributing to the implementation of an NMR fragment based screening approach for lead generation of select biological targets.

### **Job Responsibilities:**

- Experience with NMR techniques applicable to a drug discovery environment
- Identifies and implements novel experiments to address unmet challenges
- Participates in operation and maintenance of lab including cryogen and solvent fills
- Helps maintain and develop automated data workflows to maximize throughput
- Aids users with open access NMR instruments
- Manages tight timelines and competing requests
- Working knowledge of organic chemistry

### **Required Essential Skills:**

- Ph.D. in Chemistry or equivalent experience
- Minimum of 2 years of related NMR experience
- Well-versed in structure elucidation of small molecules
- Capable of working independently, while being a team player with superior interpersonal skills
- Experience with Bruker NMR instruments
- Excellent oral and written communication skills; organized and efficient record keeping

### **Additional Skills:**

- Broad range of NMR and MS experience (natural product isolation and structure determination, protein-ligand binding, fragment based screening, etc.)
- Proficient with Python, C++, and or KNIME
- Experience with programming of Bruker NMR pulse sequences and creating AU programs to aid in automated data acquisition and processing
- Experience with MestReNova for processing and assignment of 1D and 2D NMR spectra
- Has a working knowledge of Linux
- Familiar with modern computational techniques (chemical shift prediction, DFT, etc.)