

## Research Investigator to Associate Director Chemoproteomics

### **Job Summary: (Primary function)**

This position will be responsible for performing high resolution mass spectrometry based proteomics analysis to characterize small molecule-protein and protein-protein interactions as well as protein degradations. Extensive experience in proteome sample preparation and expertise in high-resolution mass spectrometry and proteomics applications (Q-TOF and/or Orbitrap) is required. The successful candidate will work closely with medicinal chemists, structural biologists, biochemists and computational chemists to help early drug discovery projects.

### **Essential Functions of The Job (Key Responsibilities)**

- Develop and implement various types of chemoproteomics methods to investigate small molecule-protein interactions including but not limited to targeted/non-targeted proteomics.
- Develop and optimize sample preparation methods for bottom-up proteomics workflows.
- Develop experiments to validate results from broad screening results.
- Integrate into early drug discovery projects and provide covalent fragment screening hits.
- Provide documentation, analysis, interpretation, and presentation of experimental data in a clear and concise manner.
- Operate, maintain and troubleshoot LC-MS instrumentation in compliance with all safety rules and procedures.

Qualifications (Minimal acceptable level of education, work experience, and competency)

- Ph.D. in Chemistry, Biochemistry, Chemical Biology or from a related field with 5+ years of relevant experience
- Expertise in proteomics methods to analyze modifications on targeted or global proteins, including but not limited to tagging, derivatization, enrichment, MS/MS fragmentation, identification and quantification.
- Hands on experience with proteomics data acquisition and interpretation including data processing, deconvolution, de novo sequencing.
- Strong publication record demonstrating achievements and scientific productivity.
- Ability to work in a fast paced environment with strong teamwork and communication skills.