

## **Scientist - Mass Spectrometry-Based Lipidomics/Metabolomics**

**Berg Diagnostics** is a Boston based molecular diagnostics company that offers high-throughput omics-based molecular profiling, biomarker validation, and regulated bioanalysis to accelerate development of molecular therapeutics and diagnostics. Armed with the state-of-the-art instrumentation platforms, the company serves to catalyze project end-points in therapeutic and biomarker development.

### **Description**

BERG Diagnostics is looking for a highly motivated individual to work within the “Omics” group to develop and run mass spectrometry-based lipidomics workflow. This person will conduct innovative research in the field of lipidomics and metabolomics as part of a multidisciplinary team developing novel molecular measurement technologies. The successful candidate should have extensive experience in lipid/metabolite sample preparation, identification, structure elucidation, and quantitation using LC-MS/MS. The successful candidate will join a team responsible for biomarker discovery/validation in multiple disease areas using state of the art quantitative proteomics and lipidomics/metabolomics. The candidate will be responsible for sample preparation, operation of LC-MS instruments, and provide clear feedback on data interpretation to project teams. The candidate should enjoy working both independently and with multidisciplinary research teams.

### **Requirements**

- Master or PhD degree in a relevant field (Biology, Biochemistry, Chemistry, Analytical Sciences).
- 5+ years (Master) or 3+ years (PhD) of hands-on experience with LC-MS/MS for lipid/metabolite identification/characterization/quantitation, including method development and data analysis.
- Demonstrate ability to analyze, interpret, and present data in a clear fashion.
- Strong problem solving and quantitative data analysis expertise.
- Demonstrate success in cutting-edge contributions to advance the state of the art of lipidomics/metabolomics field as evidenced by, for example, a thesis and/or peer-reviewed publications.
- Collaborate closely with analytical biochemistry, molecular biology, and computational research staff to design, plan, and perform experiments, collect data, and conduct data analysis.
- Communicate progress and results to the research and development team, external collaborators, management, and, when appropriate, the general scientific community via presentations at scientific conferences and through peer reviewed publications.
- Demonstrate success in contributing to interdisciplinary teams and excellent communication and teamwork skills.

### **Desired Requirements:**

- Experience with Thermo Orbitrap MS instruments.
- Experience with alternative analytical methodologies for lipidome/metabolome profiling, such as GC-MS and NMR.

**Job Category:** Full Time

**State/Province:** Massachusetts

**Town/City:** Boston

**Travel Required:** N/A

In order to be considered for this position, please send your resume, cover letter, list of publications, and references to [hr@bergdiagnostics.com](mailto:hr@bergdiagnostics.com).