



Role Description

Position Title:	Contractor, Metabolomics
Department:	Cardiovascular and Metabolic (CVMET) Research Unit
Location:	Cambridge, MA

Department Marketing Statement:

Pfizer's Cardiovascular and Metabolic (CVMET) Research Unit is focused on the discovery of novel therapeutics for the treatment of NAFLD/NASH, T2DM, obesity and cardiovascular disease. We aim to recruit dynamic, innovative experts with a common goal of developing drugs against these disorders.

Position Purpose:

Pfizer's CVMET Research Unit has a contract position applying liquid chromatography / mass spectrometry-based metabolomics to finding cures for cardiovascular disease, metabolic diseases and related complications. The candidate will apply both full-scan (Orbitrap) and targeted (triple quadrupole) mass spectrometry to determine concentrations and metabolic fluxes from biological samples. As needed, the candidate would also troubleshoot and maintain U-HPLC and MS instrumentation. Key responsibilities include biological sample preparation, LC-MS data acquisition, data analysis, interpretation and communication of results to a multidisciplinary project team.

Primary Duties:

- Apply U-HPLC/full-scan (Orbitrap) and targeted (triple quadrupole) MS methods to acquire metabolomics data with proper quality controls and calibration curves. Process data to calculate concentrations and assess rates when stable isotope tracer strategies are employed.
- Aid in the development, optimization and validation of new LC/MS methods
- Perform metabolite extractions on biological samples including cells and tissue samples
- Apply custom and vendor-developed software for data analysis, visualization and interpretation
- Maintain and troubleshoot U-HPLC, full-scan and QQQ mass spectrometers
- Communicate results effectively to a cross-functional team

Training & Education:

Educational Qualifications
B.S. (0-3 years experience) or M.S.

Training and Experience:

Basic:

A successful candidate should be passionate and committed to applying analytical chemistry to drug discovery efforts advancing human health. Successful completion of Biochemistry and Analytical Chemistry courses with hands-on laboratory experience is essential. Previous experience applying liquid chromatography and mass spectrometry, as well as excellent written and oral communication skills are also critical.

Preferred:

Hands on experience with Thermo Orbitrap and AB Sciex QTRAP 5500 mass spectrometers is a plus. Previous experience developing methods and maintaining instrumentation would also be advantageous.



Technical and Behavioral Competencies:

- Hands on experience applying (U)HPLC and mass spectrometry
- Dedication to meticulous lab work and documentation
- Excellent written and oral communication skills
- Basic understanding of chemical principles of separation
- Quickly learn and become proficient in new software for data processing
- Ability to work on cross-functional teams