Staff Associate/ Senior Staff Associate-LCMS
Biomarkers Core Laboratory
Irving Institute for Clinical and Translational Research

Summary Description

Biomarkers Core Laboratory at the Irving Institute for Clinical and Translational Research is currently accepting applications for a LCMS Senior Staff Associate or Staff Associate in the area of targeted metabolomics. Biomarkers core hosts the largest targeted mass spectrometry facility in Columbia and supports the Columbia Precision Medicine Initiatives. The candidate will develop and implement mass spectrometry based workflows for targeted metabolomics and pharmacokinetic projects. The ideal candidate will have a strong background in biological mass spectrometry with an emphasis on technical expertise in LCMS method development and assay validation for targeted small molecule analysis.

Minimum Qualifications:

A minimum of 3 years of professional experience in mass spectrometry is required. Master’s degree is preferred.

Job Responsibilities:

• Develop and validate MRM based mass spectrometry assays for metabolites, lipids, and small molecule drugs according to FDA guidelines
• Daily operation of the LCMS/MS instruments; including sample analysis, routine maintenance and troubleshooting
• Prepare data reports and standard operating procedure documentation
• Interact with clients to support sample management, study design and data interpretation.

Preferred qualifications:

• Proven hands-on experience in setting up well validated, targeted MRM based LCMS assays for metabolites, lipids, and small molecule drugs.
• Expertise in sample preparation techniques for targeted metabolomics.
• Hands-on expertise in operating, maintaining and troubleshooting LCMS triple quad (Waters, Agilent, AbSciex) instruments is essential. Experience in GCMS is preferred.
• Experience with data acquisition and quantitation softwares for targeted analysis
• Excellent problem solving, technical, and operational skills related to LC-MS/MS platforms and sample processing
• Excellent communication and interpersonal skills

The compensation is commensurate with experience. Please send your resume to rn2374@cumc.columbia.edu.