

About the job

The Rockefeller University is the world's leading biomedical research University. Our groundbreaking discoveries in basic and clinical research are transforming medicine. We share a singular commitment to advancing science for the benefit of humanity. Our collaborative culture drives each of us to achieve a higher level, fueling the breakthroughs for which we are known.

We seek an enthusiastic, diligent, and team-oriented colleague to join the Metabolomics Platform at the Proteomics Resource Center (<http://proteomics.rockefeller.edu/>).

The Center is currently equipped with one Q-Exactive Plus fully dedicated to the Metabolomics Platform and an Agilent GC-MS. Vendor software includes LipidSearch 4.2, LipidSearch 5.0, and Compound Discoverer 3.3. The candidate will be responsible for analyzing targeted and untargeted metabolomics and lipidomics projects, using LC-MS/MS and/or GC-MS data, in close collaboration with researchers from over 50 of the University's labs.

Responsibilities

- Maintaining and operating higher-flow LC-MS/MS (Q-Exactive Plus), GCMS (Agilent Intuvo), and related equipment with a focus on high-quality data generation
- Managing and expanding compound libraries
- Interacting with and advising investigators regarding study design and sample preparation
- Interacting with other team members in support of overall Center operations
- Developing and implementing metabolomics related methodology in the Center
- Processing, analyzing, and interpreting data and reporting findings to investigators and the Director of the Proteomics Resource Center
- Generating Standard Operating Procedures
- Tracking and submitting billing and purchasing information
- Monitoring and maintaining laboratory appearance

Who you are

- Bachelor's degree in science; Master's degree or Ph.D. preferred

- Strong analytical and wet lab skills
- Excellent communication skills both oral and written
- Ability to work independently as well as part of a team, and flexibility to interact with a diverse group of researchers
- In-depth experience with liquid chromatography mass spectrometry-based small molecule analysis
- Hands-on experience with mass spectrometry, preferably Orbitrap type instruments, in-depth knowledge of instrument operation and maintenance, data interpretation, and knowledge of background literature
- Practical experience with informatics is desirable
- Ability to maintain and expand knowledge of mass spectrometry techniques through self-education, dialog with other experts, reading literature, and attending conferences and courses as necessary

About the Proteomics Resource Center (PRC)

Scientists at the Center work and collaborate on a wide variety of projects with Rockefeller investigators as well as with scientists from other not-for-profit institutions. Projects range from analysis of small molecules and metabolites to PTM analysis of thousands of proteins. Examples of projects analyzed by the Centers Metabolomics Platform include nucleoside analysis, targeted profiling of polar metabolites and lipids from a range of matrixes, discovery-based analysis of lipids and metabolites as well as pulse-chase studies using heavy stable isotopes.

The PRC operates in a detail-oriented style and addresses projects individually; this allows the scientists of the Center to engage with many researchers and tackle a broad range of research areas and questions. The candidate will be able to address biological projects using both metabolomics and proteomics mass spectrometry-based strategies. The position is ideal for an analytical chemist with hands-on LC-MS/MS experience who has or wishes to gain additional experience in a very exciting and high-impact scientific environment.

How to Apply

We are a scientifically rigorous, strategically focused, creatively balanced group built for the future and offer a competitive salary, comprehensive benefits, and a collaborative work environment.

Please visit the URL below and apply to job code 'IRC27808.' Please make sure to upload your resume and a cover letter.

This job requires that employees be fully vaccinated against COVID-19 as a condition of employment. Rockefeller University provides reasonable accommodations where legally required including accommodations for medical conditions and sincerely held religious beliefs.

Rockefeller University is an Equal Opportunity Employer - Minorities/Women/Disabled/Veterans