Analytical Chemistry Core Manager

Harvard Medical School (HMS) is seeking an experienced mass spectrometrist to oversee the Analytical Chemistry Core facility. The Analytical Chemistry Core provides mass spectrometry instrumentation devoted to small molecule applications outside the purview of proteomics for users at HMS, its affiliated hospital labs, and from a variety of external academic and companies. The successful candidate will oversee the activities of the Core, maintain its instruments, and serve as a valued partner in the discovery process. They will also provide training for researchers seeking to learn mass spectrometry, will assist with experimental design and data analysis, and will generally serve as the bridge between the instrumentation and a vibrant scientific community. This role will work closely with a faculty committee to support research projects in diverse areas, and will have administrative support for financial operation of the Core.

Key responsibilities:

- Serve as the technical interface between users and the instruments by providing advice on experimental design, running of samples, and assisting with data analysis.
- Work with faculty to implement novel methods developed in HMS faculty labs.
- Develop various workflows as needed to provide sample processing and data analysis services to core users.
- Work with advisory committee members to expand Core instrumentation and increase the user base.
- Operate a Thermo UHPLC-Exploris 240 with ESI source.
- Train users to operate walk-on LC/MS instruments (Agilent single-quad and QTOF instruments).
- Provide training and guidance for users wishing to learn the data analysis and interpretation process.
- Maintain mass spectrometers via weekly and monthly calibration, clean instrument optics, maintain LCs, and coordinate with field service engineers when necessary.
- Carry out as-needed software upgrades.
- Organize and maintain data storage.

This position will have a high degree of independence, and the successful candidate will also have opportunities to organize and teach nanocourses, present at regional and national scientific symposia and workshops, and develop collaborative relationships with Harvard community investigators.

Requirements:
- Masters degree with several years of relevant experience or Ph.D. in a relevant field such as chemistry, biochemistry, or cell biology.
- Experience operating and calibrating high sensitivity mass spectrometers, and interpreting data. Direct experience working with Exploris and/or Q-Exactive instruments is valuable.

Additional preferred skills:
- Detail-oriented and able to manage multiple projects simultaneously.
- Good communication and interpersonal skills.
- Self-starter motivated to build a stronger LC/MS facility.

Harvard is an Affirmative Action/Equal Opportunity Employer. Applications from women and minority candidates are strongly encouraged. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, gender
identity, sexual orientation, pregnancy and pregnancy-related conditions or any other characteristic protected by law.

To apply, please submit a cover letter and CV to Dr. Hera Vlamakis hera_vlamakis@hms.harvard.edu with the following subject line: “Analytical Chemistry Core Manager”.