MICHIGAN STATE UNIVERSITY

Research Technology Support Facility
Assistant Manager, Mass Spectrometry Core

Michigan State University is seeking an accomplished scientist to serve as Assistant Manager (Assistant Director) of the Mass Spectrometry Core. The principal duties of this lab-based position will be to provide technical leadership for an open-access mass spectrometry core laboratory devoted primarily to characterization and quantification of small molecules. The core currently consists of 12 mass spectrometers that support research across numerous scientific disciplines and cover a wide assortment of mass spectrometry platforms. The candidate will use his/her background in analytical chemistry, organic chemistry, biochemistry, and mastery of electrical, physical, and computer systems as the basis to learn, teach, oversee, and occasionally perform analytical assays based on mass spectrometry. The individual will be responsible for advising and planning experiments and training instrument users, and will act as Co-PI on external grant applications. For more information about the Mass Spectrometry Core, please visit our website at (http://www.rtsf.msu.edu/massspec.html). This position is a full-time 12-month Academic Specialist title. Salary will be commensurate with experience.

Preferred Qualifications: PhD in biochemistry, chemistry, or closely related discipline with a minimum of 5 years post-PhD experience in the application of mass spectrometry in compound identification and quantification; diverse and extensive analytical problem-solving expertise, as well as a broad and deep understanding of and expertise in quantitative LC/MS/MS fundamentals and procedures for preparation of samples from biological matrices; demonstrated expertise in LC/MS/MS method development and sample analysis for the design of quantitative methods, execution of both targeted metabolite quantification and nontarget metabolite profiling (metabolomics, lipidomics) in biological fluids and tissues; excellent oral/written communication and interpersonal skills, problem-solving and instrument troubleshooting skills, and an ability to lead, supervise and mentor other scientists; comprehensive understanding of modern analytical instrumentation, including HPLC/UHPLC and GC separations and mass spectrometer platforms including triple quadrupole, ion trap, QTRAP, and Q-TOF mass analyzers.

Review of applications will begin April 1, 2012. Later applications will be considered if a suitable candidate pool is not identified by the deadline. MSU is an affirmative-action, equal-opportunity employer, and is committed to achieving excellence through cultural diversity. The university actively encourages applications from women, persons of color, veterans and persons with disabilities. In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification document form upon hire. To assure consideration, applications and supporting documentation (Cover Letter, Curriculum Vitae, names and email addresses of three references) should be submitted electronically, as a single PDF file, through the MSU applicant page at www.jobs.msu.edu for Posting Number 5831. Questions regarding this position may be directed to Dr. Dan Jones (jonesar4@msu.edu) or Julie Oesterle (oesterju@msu.edu).

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