

Junior Faculty Position (Instructor / Assistant Professor) in Metabolomics

The Division of Environmental Health in the Department of Preventive Medicine at the Icahn School of Medicine at Mount Sinai in New York City (formerly the Mount Sinai School of Medicine) is searching for a suitable and strong candidate for the Junior Faculty position at the Instructor or Assistant Professor level in Metabolomics.

Summary:

This newly established position will contribute to a new Metabolomics section in the Lautenberg Environmental Health Sciences Laboratory (<http://labs.icahn.mssm.edu/lautenberglab/>). The successful candidate will help develop an internationally-recognized and well-funded Metabolomics program that leverages exposure biomarker innovations and high-resolution mass spectrometry instrumentation capabilities in the Lab that hosts the NIEHS P30 Transdisciplinary Center on Health Effects of Early Environmental Exposures and NIEHS Children's Health Exposure Analysis Resource (CHEAR), National Exposure Assessment Laboratory Network at Mount Sinai (directed by Dr. Robert Wright, MD, MPH., Professor and Vice Chairman, Department of Preventive Medicine). Research should focus on the identification and quantification of small molecules and metabolites associated with biological and physiological responses in humans resulting from environmental exposures and dietary factors.

Responsibilities:

- Development, optimization, and implementation of classical and novel metabolomics protocols and applications.
- Key tasks include performing a broad range of metabolomics analysis workflows, developing standard operating and quality assurance procedures, ensuring health and safety and other regulatory compliance, and guiding research and technical staff.
- Supervise daily operations of the chromatography, mass spectrometry and accessory instruments in the Lab, oversees their maintenance, and act as a primary liaison with equipment manufacturers, field application specialists, and support vendors.
- Provide high level of services to the research and clinical communities at Mount Sinai, and to outside investigators under the CHEAR umbrella. Interacts with researchers to identify potential metabolomics core support, provide consultation on study design, sample collection and processing, and data analysis and interpretation.
- Initiates and supports manuscripts writing and grant proposals submission. Conduct and/or supervise Lab-hosted seminars and training sessions to the facility users and others.
- Perform other relevant duties as necessary.

Qualifications and Desired Requirements:

- A PhD degree in environmental health sciences, toxicology, analytical chemistry or biochemistry or related field.
- Track record of using chromatography and mass spectrometry tools and technologies, and demonstrated success in their workflows applications. Experience with (Q-TOF) LC/MS is desirable.
- This position requires ability to work in a core facility setup and requires ability to work in team and communicate with others from a broad range of fields, motivate and supervise staff, think critical and troubleshoot on the spot, and take initiatives and multitask.

Salary: 70,000 to 100,000 USD per annum

Contact: Application review will begin on June 15, 2016 but late applications are also welcome until the position is filled. Questions about the application process can be addressed to Daniel Suarez (daniel.suarez@mssm.edu). Questions about the position can be addressed to Dr. Manish Arora and Dr. Syam S. Andra (emails: manish.arora@mssm.edu; syam.andra@mssm.edu).