Postdoctoral Fellow/ Senior Research Assistant in Mass Spectrometry and Exposomics

The Senator Frank R. Lautenberg Environmental Health Sciences Laboratory in the Department of Environmental Medicine and Public Health at the Icahn School of Medicine at Mount Sinai seeks applicants for a position that will involve untargeted profiling of endogenous and exogenous metabolites, nutrients, and toxins in human tissues. This position will provide assistance in LC-HRMS analysis in support of both research and service activities. Projects include developing novel metabolomics analysis techniques for various biological tissues and samples, and discovery of early life biomarkers of autism. We also provide service as a NIEHS- funded Child Health Environmental Assessment Resource (CHEAR) lab hub.

The facility currently houses two UHPLC-HRMS instruments (Agilent 6550 and 6545) and has plans to strengthen its technology base further.

Responsibilities include preparing and analyzing biological samples for analysis with LC-HRMS, operating and maintaining instrumentation, and performing OMICS data analysis. The ideal candidate will have hands-on HRMS experience including untargeted data acquisition and analysis. They must also have strong organizational and time management skills, with the ability to independently meet project timelines.

Our laboratory is located on Central Park in New York City in the Icahn School of Medicine and is affiliated with the Mount Sinai Health System, the largest health care provider in New York.. The Department of Environmental Medicine and Public Health has an NIEHS P30 core center with a pilot grant program to which fellows are eligible to apply and a formal mentoring and development program in conjunction with an NICHD-funded T32 training grant. The department also includes the new Institute for Exposomic Research, the first in the world focused on exposomics. The team-science approach in this department provides opportunities to co-author publications with leading collaborators. Fellows will be offered subsidized housing in Manhattan and a competitive stipend. Base salary is comparable to NIH stipend rate for each year of experience: https://grants.nih.gov/grants/guide/notice-files/NOT-OD-16-131.html. Work related experience will be considered in determining level and salary.

Interested candidates who have or will shortly have their doctorate should email a cover letter including a summary of research interests and experience, as well as their curriculum vitae, to Dr. Lauren Petrick (lauren.petrick@mssm.edu).