The newly formed Bowden Laboratory at the University of Florida has an opening for a postdoctoral associate in the area of small molecule omics and/or environmental chemistry. The position would be located in Analytical Toxicology in the Department of Physiological Sciences, within the College of Veterinary Medicine. The laboratory is pursuant of efforts relating to the advancement of measurement science in the omics (specifically lipidomics and metabolomics) and the nontargeted analysis of anthropogenic pollutants. There is a focus on optimization and development of novel workflows to increase productivity and efficiency. The research group has a centralized theme to apply these omics strategies to key clinical and sentinel models to better assess both human and environmental health, respectively. We are also focused on the integration of omics strategies, under the umbrella of exposure science, to anthropogenic contaminant profiles (e.g., trace metals, organic contaminants), to help better ascertain the relationship of exposure to individual health.

In addition to the research of the laboratory, the candidate will be expected to pursue and establish their own projects and/or collaborations. Expectations are that the candidate will also assist in the development of new MS assays for a Vet diagnostic laboratory that will be tangential to the research laboratory. The candidate can expect a fast-paced and productive environment. The postdoctoral position will be for a minimum of two years.

The candidate should have a Ph.D. in analytical chemistry, biochemistry, or a related discipline and should have a strong background in mass spectrometry, chromatography, and analytical method development. The candidate should also have experience with small molecule omics (e.g., lipidomics, metabolomics) and/or environmental chemical measurement. Experience with high resolution mass spectrometry, ultra-high performance liquid chromatography, quantitation, both targeted and non-targeted workflows, data handling/statistics, and scientific writing skills are strongly desired. Annual Salary will start at $48,000.

If interested, please contact Dr. Bowden at john.bowden@ufl.edu.