



Position Type	Permanent Staff (EHRA NF)
Department	Envir Sciences and Engineering-463001
Working Title	Biomarker Mass Spectrometry Research Scientist
Appointment Type	EHRA Non-Faculty Research
Position Posting Category	Research Professionals
Salary Range	Dependent on Qualifications
Full Time/Part Time?	Full-Time Permanent
Hours per Week	40
Vacancy ID	NF0004310
Position ID	20001773
Posting Open Date	02/11/2020
Application Deadline	03/12/2020
Open Until Filled	No
Proposed Start Date	05/01/2020
Position Summary	<p>The Biomarker Mass Spectrometry Facility provides critical analytical support to UNC researchers for qualitative and quantitative assessment of environmental contaminants and biomarkers using mass spectrometry. The Facility houses an AB Sciex 6500 mass spectrometer, Thermo TSQ mass spectrometers, Agilent Q-TOF, Agilent 7500 ICP-MS, and UPLC/nano-LC systems. Areas of focus for the Facility include characterization of chemical reaction products, identification and quantitation of metabolites, quantitation of environmental chemicals, measurement of DNA adducts, multi-element analysis and arsenic speciation in numerous environmental and biological matrices.</p> <p>The Biomarker Mass Spectrometry (MS) Research Scientist provides leadership and direction in the management of research and experiential learning activities that involve the MS laboratory. He/she supports the instructional and research</p>



	<p>mission of the Department through faculty and student engagement by providing support, consultation and expertise in analytical chemistry involving mass spectrometry. This includes method development, quality assurance, data analysis, student training, and instrument maintenance.</p> <p>Major responsibilities will include managing the operation of the Biomarker Mass Spectrometry Recharge Facility; developing analytical methods to support research, maintaining and upgrading the mass spectrometry and other instrument, training the users on instrumentation and sample analysis; providing expertise in method development and sample analysis; collaborating with researchers within and outside of ESE to support grant applications and research projects.</p> <p>The successful candidate will have strong background and demonstrated expertise in mass spectrometry and method development to support research activities of the Department. The incumbent will also contribute to the department's educational goals by providing practical training in research skills and will have the opportunity to assist in developing laboratory courses.</p>
Educational Requirements	<p>Required: Relevant post-Baccalaureate degree required; for candidates demonstrating comparable independent research productivity, will accept a relevant undergraduate degree and 3 or more years of relevant experience in substitution.</p> <p>Preferred: Ph.D. in analytical Chemistry, or MS with 5 years of experience or related field from appropriately accredited institutions.</p>
Qualifications and Experience	<p>Three or more years' experience in mass spectrometry or relevant research experience. Demonstrated experience in operating and maintaining modern mass spectrometers, preparing and loading samples, software and data analysis. Expertise in operating and maintaining a range of mass spectrometry platforms, such as LC-MS and ICP-MS. Demonstrated expertise in method development for the detection and quantitation of compounds in diverse environmental and biological samples. Experience in training students and other users in method development and sample analysis. Excellent written and oral communication skills are needed.</p> <p>Preferred Qualifications:</p> <p>Experience with mass spectrometry of AB Sciex, Agilent and Thermo. Capacity and strong motivation for learning new technical skills independently Outstanding communication skills. Experience and strong interest in training and working with students and</p>



	<p>postdoctoral trainees. Experience in writing grant proposals and manuscripts.</p>
Equal Opportunity Employer	<p>The University of North Carolina at Chapel Hill is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to age, color, disability, gender, gender expression, gender identity, genetic information, national origin, race, religion, sex, sexual orientation, or status as a protected veteran.</p> <p>Inclusive Excellence is a core value at the Gillings School of Global Public Health. We expect our faculty and staff to actively contribute to fostering an academic workplace climate that is welcoming and supportive for all.</p>
Special Instructions	<p>Please indicate in your cover letter how you might contribute to an inclusive climate at Gillings.</p>
Quick Link	<p>http://unc.peopleadmin.com/postings/176985</p>

Department Contact Information

Department Contact Name and Title	<p>Caitlin Webster</p>
Department Contact Telephone or Email	<p>caitlin_webster@unc.edu</p>
Office of Human Resources Contact Information	<p>If you experience any problems accessing the system or have questions about the application process, please contact the Office of Human Resources at (919) 843-2300 or send an email to employment@unc.edu Please note: The Office of Human Resources will not be able to provide specific updates regarding position or application status.</p>