Proteomics Specialist

Department of Botany & Plant Sciences

University of California, Riverside

The INSTITUTE FOR INTEGRATIVE GENOME BIOLOGY AT THE UNIVERSITY OF CALIFORNIA, RIVERSIDE invites applications for a fulltime Specialist position in the Proteomics Core Facility. Responsibilities will include methodological development of analytical techniques of targeted and untargeted proteins/metabolite extraction, separation, and detection using various mass spectrometry platforms, as well as subsequent data processing and analysis. The successful candidate will work on a range of instruments including, but not limited to, liquid chromatography coupled to time-of-flight or triple quadrupole mass spectrometry (LC-MS), gas chromatography-mass spectrometry (GC-MS) or FID detectors, and matrix assisted laser desorption ionization time-of-flight mass spectrometry (MALDI-TOF). The position will support researchers and clinicians within and external to the university (academic, industry, scientific instrument manufacturers).

Lab analytical instrumentation routine maintenance, daily QC and validated SOP implementation are a part of the duties.

Competitive candidates will be expected to work closely with existing metabolomics and proteomics personnel to develop and integrate data across the cores and will perform analyses that complement university, institute, or departmental initiatives in bioscience, protein structure and biophysics, genes and regulation, biomedicine and environmental sciences.

Successful applicants must possess a Ph.D. in metabolomics, mass spectrometry, analytical chemistry, biochemistry, or a related discipline, or ten years or more of experience demonstrating expertise in proteomics/metabolomics technique development and analysis.

Basic requirements include:

- Strong scientific skills including hypothesis generation, experiment planning, and data analysis.
- A strong background in mass spectrometry method development.
- Demonstrated experience utilizing specialized analytical techniques such as mass spectrometry-based shotgun (direct-infusion) proteomics, liquid chromatography-mass spectrometry (LC-MS), and informatics approaches to chemical feature identification and quantification.
- Demonstrated experience in small molecule analysis, biological sample preparation, liquid and gas chromatography-mass spectrometry, and a high level of analytical chemistry skills, specifically with experience in the operation of mass spectrometry platforms.
- Ability to design and implement new analytical methods.
- Excellent oral and written communication skills, with the ability to communicate clearly across different fields of science including analytical chemistry, informatics, and biochemistry; ability to communicate complex information clearly and efficiently; detailed knowledge of laboratory safety.

- Demonstrated ability to productively and collaboratively provide service in a diverse community of faculty, post docs, coworkers, and/or students.

Preferred qualifications include:

- Experience with proteomic and/or metabolomics datasets for multi-omic data integration and analysis.
- Candidates with postdoctoral experience in a mass spectrometry related field are preferred.
- UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, protected veteran status, or any other characteristic protected by law.

Advancement through the Specialist ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input.

To Apply: Application materials for this position should be submitted through https://aprecruit.ucr.edu/apply/JPF01396 . Please provide a full curriculum vitae, cover letter, Statement of Research, Statement of Contributions to Diversity, and contact information for at least three references.

Review of applications will begin on May 1, 2021. For full consideration, candidates should submit their complete applications prior to this date. For more information about this position, please contact Dr. Katayoon Dehesh, Chair of the Search Committee, Department of Botany & Plant Sciences, at Katayoon.Dehesh@ucr.edu. For questions on application procedures and requirements, please contact Ms. Jackelyn Quinonez, Academic Personnel, at jackelyn.quinonez@ucr.edu.