

### Academic Coordinator – Metabolomics

The INSTITUTE FOR INTEGRATIVE GENOME BIOLOGY AT THE UNIVERSITY OF CALIFORNIA, RIVERSIDE invites applications for a career-level Academic Coordinator position in the newly established Metabolomics Core Facility. The appropriate level for this position will be determined according to the candidate's professional and academic experience at the time of hire. Responsibilities will include methodological development of analytical techniques of targeted and untargeted metabolites using various mass spectrometry platforms, as well as subsequent data acquisition and analysis. The successful candidate will work on a range of instruments including, but not limited to, Matrix Assisted Laser Desorption Ionization Time Of Flight mass spectrometers (MALDI-TOF), gas chromatographers coupled to mass spectrometers (GC-MS) or FID detectors, and liquid chromatographers coupled to triple quadrupoles and accurate mass spectrometers (time of flight or trap based instruments, LC-MS). The job will also involve extensive collaborations with 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 is a part of duties. Competitive candidates will perform analyses that complement university, institute, or departmental initiatives in plant science and bioscience, protein structure and biophysics, genes and regulation, biomedicine and environmental sciences.

This position will support the Institute in the design and development of its research programs and the development of proposals for research funding. The position will also involve supervising student or assistant work in the laboratory setting, coordination of metabolomics-themed seminars, and equipment use and capability training sessions.

#### Required:

Ph.D. in metabolomics, mass spectrometry, analytical chemistry, biochemistry, or related discipline. Demonstrated experience in small molecule analysis, biological sample preparation, liquid and gas chromatography-mass spectrometry, and a high level of analytical chemistry skills, in particular with experience in the operation of mass spectrometry platforms.

#### Strongly Preferred:

Research publications in appropriate journals reflecting knowledge of metabolomics data analysis. Experience with computer programming and multivariate statistics would be highly advantageous. Managerial experience in budget administration. Postdoctoral experience in a mass spectrometry related field. Experience in Mass Spectrometry setup and installation.

Ability to design and implement new analytical methods. Experience in metabolomics techniques for Study Design, Quality Control, and Reporting Standards. Experience in Metabolite deconvolution software. Experience in Mass Spectral Databases & HMDB, etc. 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; sufficient breadth and depth of specialist knowledge in the discipline and research methods to work within established research programs. Demonstrated ability to work productively and collaboratively in a diverse community of faculty, post docs, coworkers, and students.

Applicants are required to provide a cover letter, curriculum vitae, statement of contributions to diversity, and contact information for three to five references. All materials should be submitted through AP Recruit online at: <https://aprecruit.ucr.edu/apply/JPF00745>. Review of applications will begin April 24, 2017.

The University of California is an Equal Opportunity / Affirmative Action Employer with a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff. 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.

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.