

Academic Coordinator in 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.

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.

Preferred qualifications for this position include:

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 prDemonstrated ability to work productively and collaboratively in a diverse community of faculty, post docs, coworkers, and

students.

Advancement through the Academic Coordinator ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years [*For Academic Coordinators: "2 years"*], each of which includes substantial peer input.

To apply: submit a cover letter, curriculum vitae, statement of contributions to diversity, and contact information for three to five references. to <https://aprecruit.ucr.edu/apply/JPF01562>. Review of applications will commence on June 15, 2022 and proceed until position is filled. For full consideration, applicants should submit their complete applications prior to the above date.

For more information about this position, please contact Xuemei Chen, Chair of the Search Committee, Institute for Integrative Genome Biology at xuemei.chen@ucr.edu. For questions on application procedures and requirements, please contact Mr. Joshua Gutierrez, Academic Personnel, at joshua.gutierrez@ucr.edu.

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.

University of California COVID-19 Vaccination Program Policy: As a condition of employment, you will be required to comply with the University of California SARS-CoV-2 (COVID-19) Vaccination Program Policy (https://policy.ucop.edu/doc/5000695/SARS-CoV-2_Covid-19). All Covered Individuals under the policy must provide proof of Full Vaccination or, if applicable, submit a request for Exception (based on Medical Exemption, Disability, and/or Religious Objection) or Deferral (based on pregnancy) no later than the applicable deadline. Please refer to Appendix F, Section II.C. of the policy for the deadlines applicable to new University of California employees. Federal, state, or local public health directives may impose additional requirements.