Academic Coordinator – Bioinformatics

The INSTITUTE FOR INTEGRATIVE GENOME BIOLOGY AT THE UNIVERSITY OF CALIFORNIA, RIVERSIDE invites applications for a career-level Academic Coordinator position in our Bioinformatics Core Facility. Successful candidates will join the multidisciplinary Institute for Integrative Genome Biology (IIGB) which bridges theoretical and experimental researchers in the Life Sciences and other campus based Centers. The IIGB is organized around an 11,000 sq. ft. suite of Instrumentation Facilities that serve as a centralized, shared-use resource for faculty, staff and students, offering advanced tools in bioinformatics, genomics, microscopy, proteomics, and metabolomics/lipidomics. The appropriate level for this position will be determined according to the candidate's professional and academic experience at the time of hire.

Competitive candidates will have an in-depth understanding of statistical methods and algorithms used in computational biology and genomics to model complex data sets from high-throughput Next Generation Sequencing (NGS) experiments, including development of scientific software. The position requires an understanding of biological research concepts and in-depth knowledge in extracting relevant conclusions from large datasets.

The incumbent will manage the service operations of the Bioinformatics Core. The position will work with bioinformatics programming professionals, supervise team members and students, and provide support to faculty, students and postdocs in data analysis. The position will also develop, present, and teach training workshops (e.g., a state-of-the-art workshop program in large-scale data analysis) to on- and off-campus researchers and participate in training-related outreach.

In addition to the essential service and teaching components, the position may engage in collaborative research activities, contribute as a team member to scientific publications, and participate in the preparation of joint grant applications.

Required:
Ph.D. from a recognized university in bioinformatics; or combined degrees in computer science and a biological science; or a degree in either computer science combined with relevant experience in biological science; or a degree in a biological science combined with relevant experience in computer science. The successful candidate will have at least three years professional hands-on experience with next generation sequence data analysis, such as RNASeq, de novo assembly, and genotyping, as well as basic knowledge of high-performance computing and cloud computing technologies. Another requirement is three years of professional experience with common programming languages/environments used in scientific data analysis, specifically R and Bioconductor packages, but also Python and C++.

Strongly Preferred:

Experience with web development and relational database design is preferred. Experience with proteomic and/or metabolomics datasets would be a plus.

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/JPF00870. Review of applications will begin January 8, 2018. The position will remain open until filled.

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.

Advancement through the Academic Coordinator/non-Senate Academic Staff 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.