Assistant Project Scientist
University of California Los Angeles
Requisition Number: JPF05612

The Department of Human Genetics in the David Geffen School of Medicine at UCLA, invites applications for a non-tenure track position, Assistant Project Scientist.

The newly formed Cancer Data Sciences group at the UCLA David Geffen School of Medicine and UCLA Jonsson Cancer Center is seeking an Assistant Project Scientist in Cancer Data Science: Algorithm Development. The successful candidate will have a PhD in computational biology, statistics, computer science or an equivalent quantitative discipline. They will be working with a broad team of quantitative analysts, including Statisticians, Data Scientists, Clinical and Basic Science trainees, and a broad range of collaborators. They will drive the development and application of new quantitative strategies to improve our understanding and ability to treat cancer, working with cutting edge molecular and imaging datasets. They will apply their skills to projects that will be customized to the technical, personal and career aspirations of the candidate, but can range from biomarker development to new technologies to systems biology to machine-learning. Our team works with a broad range of approaches ranging from convolutional neural networks through to statistical modeling and systems biology approaches. This will entail working closely with others, including Bioinformaticians to ensure reproducibility and generalizability. While a strong background in biology or cancer biology is beneficial, for this role very strong quantitative skills are essential. Strong scientific communication skills, orally and in writing as well as in designing high-quality scientific data-visualizations, are very valuable, and significant training and support will be given in this area. The successful candidate will be helping us perform research that will transform the lives of cancer patients.

Your responsibilities will be to use your biological and data science skills to analyze large datasets, including identification of key features using established or new pipelines, statistical and machine-learning analyses, data visualization, and written & oral reporting to translational, biologic, translational and clinical teams. Your work may focus on a single tumour type, or may cover a broad range, focusing on a subset of data types. You may work with molecular (WGS, panel-sequencing, RNA-Seq, proteomic) and/or imaging (digital pathology, radiomic) data, and practical experience in one of these two areas is a major asset. You will typically have one to two major and potentially some minor projects at any point in time. Beyond your strong interpersonal skills and computer science background, you will have experience with implementation skills at least one of C/C++, R, Perl or Python. You will be comfortable in UNIX/Linux environments and producing well-documented code. A core background in statistics is key, and supplementation with advanced understanding of time-to-event analyses, Bayesian statistics or machine-learning is beneficial. Experience with cloud-computing or HPC is a major asset.

To apply, please visit: https://recruit.apo.ucla.edu/JPF05612

The University of California is an Equal Opportunity/Affirmative Action Employer advancing inclusive excellence. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, protected veteran status, or other protected categories covered by the UC nondiscrimination policy. UC Nondiscrimination & Affirmative Action Policy

This General Data Protection Regulation (GDPR) Statement for Persons in the European Economic Area is designed to provide information regarding the types of Personal Information
that the University of California’s Human Resources departments and offices collects.

Please be advised that the final candidate recommended for hire into a critical (or otherwise designated) position will be required to successfully complete a background investigation. Any convictions will be evaluated to determine if they directly relate to the responsibilities and requirements of the position. Having a conviction history will not automatically disqualify an applicant from being considered for employment.

UCLA is a Tobacco-Free environment. For more information, please view the policy at Tobacco-Free Campus Policy