Applications are invited for postdoctoral positions in the Stuart Laboratory in the UC Santa Cruz Genomics Institute.

The Stuart laboratory in the UC Santa Cruz Genomics Institute seeks postdoctoral scholars to join the highly collaborative UCSC Cancer and Stem Cell Genomics team that participates in several consortia including The Cancer Genome Atlas, Stand Up To Cancer, and the California Institute for Regenerative Medicine. Potential projects include the development of integrative methods for inferring molecular pathways underlying disease onset, progression, and response to treatment, methods to assess the impact of mutations and other genomic perturbations on genetic pathways and their predicted functions in disease, and identifying therapeutic targets from the analysis of high throughput datasets. Candidates are also sought to develop methods to understand the underlying mechanisms of differentiation, infer hierarchical relationships among cell types from RNA-Seq data, and identify distinguishing genetic pathway activities that potentially direct cell fate decisions.

Ideal candidates should be well versed in advanced computational approaches to mine patterns from complex systems. Expertise in the following areas is of particular relevance: machine-learning and pattern recognition, reverse engineering, and probabilistic graphical models. A solid foundational knowledge of molecular biology and genetics is very important. Candidates should have strong quantitative programming skills and be familiar with mathematical and statistical programming languages such as R or matlab. A solid track record in Bioinformatics research, as evidenced by publications in the field, is required. Excellent organizational and verbal communication skills are required.

**BASIC QUALIFICATIONS:** A Ph.D. in a relevant area of bioinformatics, computer science, statistics, or a related discipline with at least three years of relevant laboratory experience in machine learning, pattern recognition, reverse engineering, probabilistic graphical model theory, or a related field.

**TO APPLY:** https://genomics.soe.ucsc.edu/careers/application

Applicants should submit a curriculum vitae, three letters of reference*, and a summary statement describing research experience and the candidate’s particular interest in joining the group.

*All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC’s confidentiality statement at [http://apo.ucsc.edu/confstm.htm](http://apo.ucsc.edu/confstm.htm).

**RANK:** Postdoctoral Scholar

**SALARY:** commensurate with qualifications and experience

**TERM OF APPOINTMENT:** Initial appointment is for one year. Should hiring unit propose reappointment, a review to assess performance will be conducted. In addition, reappointment is contingent upon availability of funding. For appointments within the University of California, the total duration of an individual’s postdoctoral service may not exceed five years, including Postdoctoral service at other institutions. Under certain circumstances, a sixth year may be considered.

**POSITION AVAILABLE:** Immediate opening

**CLOSING DATE:** Review of applications will begin immediately. To ensure full consideration, applications should be complete and letters of recommendation received as soon as possible. The position will remain open until filled, but not later than June 30, 2015.

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, national origin, disability, age, or protected veteran status. UC Santa Cruz is committed to excellence through diversity and strives to establish a climate that welcomes, celebrates, and promotes respect for the contributions of all students and employees. Inquiries regarding the University’s equal opportunity policies may be directed to: Office for Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064; (831) 459-2686.

Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain UCSC positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check. More information is available here or from the Academic Personnel Office (APO) at (831) 459-4300.

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If you need accommodation due to a disability, please contact the Academic Personnel Office at apo@ucsc.edu (831) 459-4300.

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