DESCRIPTION
The Center for Biomolecular Science and Engineering (transitioning into the Genomics Institute Organized Research Unit, https://ucscgenomics.soe.ucsc.edu/) at UC Santa Cruz (UCSC) invites applications from outstanding scientists for the position of Assistant Research Scientist with the Computational Genomics Laboratory (CGL), under the direction of Assistant Professor Benedict Paten. We seek a self-motivated, creative scientist interested in precision medicine and the impact genomics is having on health care. The candidate should be experienced in biological data analysis and have extensive programming knowledge to develop computational systems for clinical genomics and precision medicine. In the course of research, the incumbent will define protocols for sharing individual’s genetic, genomic and phenotypic data; design and implement algorithms to infer the impact of genetic or genomic variation on human health; and, develop public and protected visualization and analysis portals to share these raw or derived data with the larger community. It is expected that the incumbent, as part of the CGL, will work with external research groups and scientific consortia to develop data sharing standards and processes, and integrate external data into internal analysis pipelines and visualization portals.

The incumbent will be expected (i) to provide technical leadership and direction to small senior-level software development teams, (ii) to work with graduate and undergraduate students, (iii) to interface with the UCSC Internal Review Board and other regulatory bodies, and (iv) be expected to apply for and serve as principal investigator on grants, contracts, and private external funding. The successful candidate will be highly articulate and have demonstrated ability to collaborate with scientists, software engineers and students in developing novel computational tools or resources. We are particularly interested in identifying candidates with extensive knowledge of cancer genetics and genetic variant interpretation.

The incumbent will be expected to publish in scientific journals and present findings at scientific meetings. Our exceptional collegiality and interdisciplinary collaborations make UCSC an excellent environment for an innovative scientist who can benefit from and contribute to the rapid growth in the sciences and engineering at UCSC.

Specific projects in which the candidate will play a significant role include the following: the Global Alliance for Genomics and Health, which is working on open standards for communicating genomics information in both research and health care contexts; the BRCA Challenge, which is working on developing safe methods for sharing genetic data. The ideal candidate will be able to work productively across all of these projects, which share a common management structure on the UCSC side.

ACADEMIC TITLE
Assistant Research

SALARY
Commensurate with qualifications and experience.

BASIC QUALIFICATIONS
Ph.D. or equivalent foreign degree in bioinformatics, computational biology, genomics, or a related discipline; three or more years professional software development experience in UNIX or Linux; three or
more years of scientific project leadership experience; three or more year experience developing algorithms, software tools and methods for bioinformatics or genetic analysis; experience developing systems for compliance with HIPAA or similar regulatory standards; and a record of scientific publications in peer-reviewed research journals and in giving presentations at major scientific meetings.

POSITION AVAILABLE
As soon as possible after initial review of the applications.

DURATION OF POSITION
Initial appointment will be full-time through March 2020 with the possibility of reappointment. Should the hiring unit propose reappointment, a review to assess performance will be conducted. Reappointment is also contingent upon availability of funding.

APPLICATION REQUIREMENTS
Applications are accepted via the UCSC Academic Recruit online system. All documents and materials must be submitted as PDFs.

APPLY AT https://recruit.ucsc.edu/apply/JPF00513.
Please refer to Position # JPF00513-18T in all correspondence.

Documents/Materials
- Letter of application addressing how you meet the qualifications (required)
- Curriculum vitae (required)
- Copies of peer-reviewed publications (a minimum of two are required and a maximum of ten will be accepted)

RECRUITMENT PERIOD
Full consideration will be given to applications completed by March 2, 2018. Applications received after this date will be considered only if the position has not been filled.

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, 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 employment opportunity policies may be directed to the Office for Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064 or by phone at (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 subcontracts require the selected candidate to pass an E-Verify check (see https://www.uscis.gov/e-verify). More information is available at the APO website (see https://apo.ucsc.edu/policy/capm/104.000%20.html) or call (831) 459-4300.

UCSC is a smoke & tobacco-free campus.

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

VISIT THE APO WEB SITE AT http://apo.ucsc.edu