

Genome Commons Scientist



The Genome Commons Navigator: Open Access to the Human Genome

Take the lead role in detailed design, deployment, and application of the Genome Commons Navigator, an open resource for interpreting individuals' exomes and genomes

This position will require keen scientific acumen, intense technical ability, and broad social awareness. You will need an understanding of human genetics, as well as outstanding software architecture and development skills. You must be committed to open access and open source development and effectively guide development efforts with collaborators. You must also be savvy in mastering the medical, legal, and sociological influences in this project, so as to inspire contributions and applications. On a day-to-day basis, you will have the key responsibility for designing the Genome Commons Navigator and analyzing disease exomes. As a natural leader with exceptional communication skills, you must develop and articulate a vision for using personal genomes to enhance human wellbeing.

The Genome Commons Navigator is an extensible infrastructure that analyzes an individual's genome to yield a report of genetic variation and its interpretation. You will collaborate in guiding a half-dozen engineers in genome analysis and building the Navigator platform. You will collaborate with clinicians in understanding the bases of genetic disease and publish manuscripts with these discoveries. You will also likely be engaged in the Critical Assessment of Genome Interpretation (CAGI), a community experiment to evaluate the prediction of phenotypes from genetic variation. This effort is public and open.

Ph.D. or M.D., profound insight into genetics and genomics, and proven ability to work with on a complex software engineering project are essential.

Interested applicants should have statement of interest, CV, transcript, and at least three letters of reference sent to jobs@compbio.berkeley.edu



job listing

For more information, see <http://compbio.berkeley.edu>
<http://genomecommons.org> <http://genomeinterpretation.org>

Salary: dependent upon experience and qualifications.

The University of California is an Equal Opportunity/Affirmative Action Employer.

The Berkeley academic environment

The Brenner lab is an interdisciplinary research group at the University of California, Berkeley, one of the world's premiere research universities. We are associated with the Department of Plant and Microbial Biology, the Department of Molecular and Cell Biology, the Department of Bioengineering, as well as the University of California, San Francisco, and Lawrence Berkeley National Lab. Collaborators in this project include members of the Berkeley Center for Computational Biology, biologists and engineers at Tata Consulting Services, and clinicians at UCSF.

The University of California, Berkeley ranks first nationally in the number of graduate programs in the top 10 in their fields, according to the most recent National Research Council study. Berkeley is committed to diversity in its staff, faculty, and student body, and invites all qualified people to apply, including minorities and women, veterans and individuals with disabilities. Information about Berkeley's outstanding benefits are at:
http://atyourservice.ucop.edu/forms_pubs/misc/benefits_of_belonging.pdf. Please refer to the University's statement on confidentiality, found at <http://apo.chance.berkeley.edu/evalltr.html>. The University of California is an Equal Opportunity/Affirmative Action Employer.