Chief Scientist of the Genome Commons  
Celera-TCS Innovation Fellow  
in the Berkeley Center for Computational Biology

The Genome Commons & Navigator: Open Access to the Genome

Help solve “the defining biological problem for the century”
— Jasper Rine

Take the lead scientific role in formulating, engineering, and deployment of the Genome Commons and the Genome Commons Navigator, open resources for interpreting personal genomes. (See genomecommons.org for more information about this project.)

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 cooperate effectively with corporate 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 overseeing the scientific, technical, and social issues in designing and deploying the Genome Commons and Navigator, recognizing the scientific challenges and surmounting them. You will be the scientific leader of a group of a dozen software engineers. As a natural leader with exceptional communication skills, you must develop and articulate a vision for using personal genomes to enhance human wellbeing.

Briefly, the Genome Commons amalgamates information about the relationships between genetic variation and its impact, to create a repository of genotype-phenotype relationships. The Genome Commons Navigator is an extensible infrastructure that analyzes an individual’s genome by applying knowledge in the Genome Commons, to yield a report of genetic variation and its interpretation. This effort is public and open.

You will work in the Berkeley Center for Computational Biology (http://qb3.org/ccb/) and the Brenner research group (http://compbio.berkeley.edu/). Together, these provide a vibrant interdisciplinary research environment at the premier public university.

Ph.D. in biological sciences or M.D. is required and proven ability to independently carry out a complex software engineering project is essential.

Applications are due by January 1, 2009. Apply to jobs@compbio.berkeley.edu. Please send your CV or resume, a transcript, and three letters of reference. Please refer referees to the UC Berkeley Statement of Confidentiality at http://apo.chance.berkeley.edu/evalltr.html

Salary: $70,000 – $110,000/yr depending upon experience and qualifications.
The University of California is an Equal Opportunity/Affirmative Action Employer.