Postdoctoral positions available
Computational Genomics of Genetic Disease

Research Group of Steven Brenner
University of California, Berkeley

We are seeking independent and motivated postdoctoral researchers in the area of Computational Genomics of Genetic Disease to work jointly with the Brenner Research Group at University of California, Berkeley, and the Brown Research Group at Lawrence Berkeley National Laboratory

Project Description

The successful candidate will have a key role in a multi-disciplinary team to reveal the genetics of T cell disease, working closely also with Alex Marson and Jennifer Puck at UCSF and David Wiest at FCCC towards an ultimate aim of creating precision cures. The research focus will be innovative computational data analysis and methods development integrating genomic and transcriptomic data from patients with deep phenotyping. The research engages collaborators in a cycle of iterative experimental design and analysis including CRISPR screens, and validation studies in zebrafish, mouse, and human systems.

Applicants may review previous work including Punwani, et al 2016 *NEJM 375*:2165 and Adhikari, et al 2020 *Nature Medicine 26*:1392.
Broader research interests of the Brenner Group are at https://compbio.berkeley.edu/, and for the Brown Group, https://biosciences.lbl.gov/profiles/ben-brown/.

To apply
Please apply by email to jobs@compbio.berkeley.edu. Include a 1 page statement of interest, transcripts, and a current resume. Applicants should also arrange for 3 letters of reference to be sent to Dr. Brenner's attention at jobs@compbio.berkeley.edu.

Position requirements
- Ph.D. in computational biology, genetics, statistics, computer science, molecular biology, biophysics, or a related field.
- A strong publication record and compelling professional references.
- Excellent communication skills for effective interaction with the multidisciplinary cohort of researchers in our laboratory and with collaborators.
- Programming competence demonstrated in one or more of these programming languages: Python, R, C++, Java.

Additional Desired Qualifications
- Strong biological insight and previous experience in solving biological problems with computers.
- Experience with functional genomics data and large-scale data analysis.
- Experience with human genetics and Mendelian disease.

The Brenner Research Group and UC Berkeley

The Brenner lab is an interdisciplinary research group at the University of California, Berkeley, and we are associated with the Center for Computational Biology, the Department of Plant and Microbial Biology, the Department of Bioengineering, the Department of Molecular and Cell Biology, and the Biophysics Graduate Group. We are also affiliated with the Chan Zuckerberg Biohub; the Institute for Human Genetics and the Department of Bioengineering and Therapeutic Sciences at the University of California, San Francisco; and Lawrence Berkeley National Lab.

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. This year Forbes ranked UC Berkeley as the #1 Top College in America, and the Times Higher Ed placed UC Berkeley first among US public universities.

The Brenner Research Group is committed to creating an inclusive community of belonging that enables every member to achieve their potential. We value the diversity of our members' unique backgrounds, experiences, and perspectives; their synergy and complementarity is fundamental to our group's effort to advance our research—which aims to benefit all people.

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. For the complete University of California nondiscrimination affirmative action policy see: http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct.