



UNIVERSITY OF CALIFORNIA
SANTA CRUZ

UNIVERSITY OF CALIFORNIA, SANTA CRUZ
DEPARTMENT OF BIOMOLECULAR ENGINEERING
Postdoctoral Research Opportunity

The University of California, Santa Cruz (UCSC) invites applications for a postdoctoral position in the laboratory of Assistant Professor Angela Brooks in the Department of Biomolecular Engineering. The successful candidate will participate in research that uses novel experimental and computational approaches based on long-read nanopore sequencing to investigate mechanisms of RNA splicing regulation. The successful candidate will develop and implement computational methods on long-read sequencing data, including direct RNA sequencing. The postdoc will expand on prior studies analyzing native RNA sequencing data (Workman, Tang et al. Nature Methods 2019) and contribute to further development of the tool, FLAIR (Full-Length Alternative Isoform analysis of RNA; Tang et al. Nature Communications 2020). Candidates with an RNA biology background and a keen interest in developing computational expertise are also encouraged to apply.

The postdoc fellow will be a part of a collaborative community within the Department of Biomolecular Engineering, the UCSC Center for Molecular Biology of RNA, and the UCSC Genomics Institute consisting of leading experts on nanopore sequencing technology. The Brooks Lab is committed to fostering a diverse and inclusive research community. Individuals from underrepresented racial and ethnic backgrounds, individuals with disabilities, women, transgender, and non-binary individuals are encouraged to apply.

RANK: Postdoctoral Scholar

SALARY: Commensurate with qualifications and experience.

BASIC QUALIFICATIONS: Ph.D. or equivalent in computational biology, computer science, mathematics, statistics, bioengineering, genetics, biochemistry, molecular biology, cell biology, or other relevant fields; demonstrated excellence in academic research as evidenced by one or more peer-reviewed, submitted, or in-preparation first-author publications.

PREFERRED QUALIFICATIONS: Experience with high-throughput sequencing data analysis; strong interpersonal skills; experience leading a team or project; excellent written and verbal communication skills; strong interest in RNA biology.

POSITION AVAILABLE: As soon as possible after closing date

TERM OF APPOINTMENT: The initial appointment is for one year, with the possibility of extension, contingent upon availability of funding and positive performance evaluation.

TO APPLY: Applicants should send a CV, a summary of research interests, 1-2 manuscripts documenting your most important scientific contributions (pre-prints and in-progress work are accepted), and contact information for three references* electronically to anbrooks@ucsc.edu. Documents/materials must be submitted as PDF files.

*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>.

CLOSING DATE: The position will remain open until 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: 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.

UCSC is a [smoke & tobacco-free campus](#).

If you need an 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>

06/18/20