



The [Department of Biomolecular Engineering](#) at the University of California, Santa Cruz (UCSC) invites applications for the position of Research Specialist under the direction of Professor Todd Lowe. The successful candidate will be expected to support and assist in research to sequence and experimentally study transfer RNAs from a range of prokaryotic and eukaryotic species in order to understand dynamics of tRNA expression and processing across different growth stages and cell types. The results of the tRNA sequencing will be analyzed, verified, and integrated into the Genomic tRNA Database for distribution to the tRNA research community.

Responsibilities will include cell culture; RNA and DNA isolation; library preparation for high-throughput sequencing; oversight and support of basic laboratory operations; molecular biology and biochemistry techniques (e.g. RT-PCR; quantitative PCR; gene disruption and introducing modified tRNA genes; growth media preparation; gel electrophoresis; northern blots; CAS9/CRISPR methods; and developing new or modified protocols in these areas, as needed); basic data analysis; biological interpretation of data in the context of the Genomic tRNA Database; and producing written reports of lab work to be incorporated into journal publications. Co-authorship on scientific publications is also anticipated, but dependent on contributions to various research projects. The position requires that the selected candidate possesses strong verbal and written communications skills; works well independently; and interacts and communicates effectively with both biologists and bioinformaticists within the team.

We are particularly interested in identifying a candidate with experience in microbiology, tissue culturing and/or stem cell work, RNA research; and/or prior training in preparing high-throughput RNA or DNA sequencing libraries and working with basic analyses of high-throughput RNA sequencing data.

RANK: Assistant Specialist, Associate Specialist, determined by qualifications and experience ([See rank qualifications](#))

SALARY: Commensurate with qualifications and experience.

BASIC QUALIFICATIONS: A Bachelor's degree or equivalent foreign degree in biology, biochemistry, microbiology, or related molecular biology field and a minimum of two years, post-baccalaureate laboratory experience.

PREFERRED QUALIFICATIONS: Masters or equivalent foreign degree in biology, biochemistry, microbiology, or related molecular biology field; and/or one or more years of post-graduate work experience in an academic or industry setting.

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

TERM OF APPOINTMENT: The initial appointment is full-time for one year. Should the hiring unit propose reappointment, then a review to assess performance will be conducted. Reappointment is also contingent upon availability of funding.

TO APPLY: Applications are accepted via the UCSC Academic Recruit online system, and must include a letter of application addressing how you meet the qualifications, a curriculum vitae, and three confidential letters of recommendation*. Applicants may also submit a maximum of three samples of published work. Documents/materials must be submitted as PDF files.

APPLY AT: <https://recruit.ucsc.edu/apply/JPF00437>

Refer to Position #**JPF00437-17T** in all correspondence.

*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: Review of applications will begin on 4/24/2017. To ensure full consideration, applications should be complete [and letters of recommendation received] by this date. The position will remain open until filled, but not later than 6/30/2018.

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