



UNIVERSITY OF CALIFORNIA
SANTA CRUZ

UNIVERSITY OF CALIFORNIA, SANTA CRUZ
DEPARTMENT OF BIOMOLECULAR ENGINEERING
Research Specialist

The Department of Biomolecular Engineering [<https://www.soe.ucsc.edu/departments/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 Research Specialist will 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 microbial and mammalian cell culture; RNA and DNA isolation from a range of mammalian tissues (mostly human and mouse); 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/modified protocols in these areas, as needed); basic data analysis; biological interpretation of tRNA functional assays; 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 selected candidate will have experience in tissue culture and/or stem cell work, RNA research, and will have prior training in preparing high-throughput RNA or DNA sequencing libraries. We are particularly interested in applicants who possess strong verbal and written communications skills; one or more years of post-graduate academic or industry working experience; experience working independently; and the ability to interact and communicate effectively with both biologists and bioinformaticists within the team.

ACADEMIC TITLE

Junior Specialist - Associate Specialist, determined by qualifications and experience ([See rank qualifications](#))

SALARY

Commensurate with qualifications and experience.

BASIC QUALIFICATIONS

At the time of application, the applicant must possess a bachelor's degree in biology, biochemistry, microbiology, or related molecular biology field and at least two years of laboratory experience in RNA research and/or high-throughput sequencing library preparation.

POSITION AVAILABLE

As soon as possible after initial review of the applications.

DURATION OF POSITION

The initial appointment is for one year at 100% time, with the possibility of reappointment. Should the hiring unit propose reappointment; a review to assess performance will be conducted. Reappointment is also contingent upon the availability of funding.

APPLICATION REQUIREMENTS

Applications are accepted via the UCSC Academic Recruit online system. All documents and materials must be submitted as PDFs.

APPLY AT <https://recruit.ucsc.edu/apply/JPF00575>.

Please refer to Position # JPF00575-18T in all correspondence.

Documents/Materials

- Letter of application that briefly summarizes your qualifications and interest in the position (required)
- Curriculum vitae (required)
- Sample publications (optional, a maximum of three will be accepted)

Applications must include one confidential letter of recommendation*. Note that your reference, or dossier service, will submit the confidential letter directly to the UC Recruit System.

*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>.

RECRUITMENT PERIOD

Full consideration will be given to applications completed by January 25, 2019. Applications received after this date will be considered only if the position has not been 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 the Office for Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064 or by phone at (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 (see <https://www.uscis.gov/e-verify>). More information is available at the APO website (see <https://apo.ucsc.edu/policy/capm/104.000%20.html>) or call (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.

VISIT THE APO WEB SITE AT <http://apo.ucsc.edu>

12/14/18