

Biomolecular Engineering Department: Assistant Professors-Bioengineers

Job #JPF01161

- Biomolecular Engineering / Engineering School / UC Santa Cruz

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POSITION OVERVIEW

Position title: Assistant Professor- Bioengineer

Salary range: Commensurate with qualifications and experience; academic year (nine-month basis).

Anticipated start: July 1, 2022, with the academic year beginning in September 2022. The degree requirement must be completed no later than June 30, 2023 for employment effective July 1, 2023 and beyond.

APPLICATION WINDOW

Open date: October 8th, 2021

Next review date: Monday, Jan 3, 2022 at 11:59pm (Pacific Time)

Apply by this date to ensure full consideration by the committee.

Final date: Thursday, Jun 30, 2022 at 11:59pm (Pacific Time)

Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

POSITION DESCRIPTION

The Department of Biomolecular Engineering at the University of California, Santa Cruz (UCSC) invites applications for two *Assistant Professors of Biomolecular Engineering*. The assistant professors will develop new biotechnologies that include novel experimental and/or computational approaches to detect or manipulate biomolecular components for scientific, social, environmental or therapeutic benefit.

We are specifically interested in applicants who develop approaches and applications within the following areas:

- Synthetic models of cells and tissues
- Genome editing
- Synthetic biology
- Protein engineering
- Single cell technologies
- Computational genomics
- New sequencing technologies
- Metabolic engineering

The Department of Biomolecular Engineering is part of the Baskin School of Engineering at UC Santa Cruz. Our school has nationally and internationally known researchers in many areas. UC Santa Cruz is a member of the AAU, an association of the top research universities in the U.S. Of the nine UC campuses, our campus is the nearest to Silicon Valley and has close research ties with the local computer industry. Nestled in a redwood forest above the city of Santa Cruz, our beautiful campus has a long history of embracing groundbreaking interdisciplinary work. Our proximity to Silicon Valley, and our satellite campus there, afford opportunities and avenues for collaboration with researchers working in the many research and development labs in Silicon Valley, as well as with the other San Francisco Bay Area universities.

Selected candidates will be offered a competitive start-up package, will join a community of researchers with access to the state-of-the-art facilities, and will be mentored by established faculty members. Candidates will be expected to establish a vigorous externally funded research program, contribute to the intellectual vitality of the UCSC scientific community, teach at the undergraduate and graduate levels in the classroom, demonstrate a willingness to prepare and teach undergraduate students as part of an ABET certified Bioengineering program mentor students in their research lab, and provide service to the campus and their profession.

UC Santa Cruz is a Hispanic-Serving Institution with a high proportion of first-in-family students. UC Santa Cruz values diversity, equity, and inclusion and is committed to hiring faculty who will work to support these values. We welcome candidates who understand the barriers facing women and individuals who are underrepresented in the classroom and in higher education careers (as evidenced by life experiences and educational background), and who have experience in equity and diversity with respect to teaching, mentoring, research, life experiences, or service towards building an equitable and diverse scholarly

environment.

The chosen candidate will be expected to sign a statement representing that they are not the subject of any ongoing investigation or disciplinary proceeding at their current academic institution or place of employment, nor have they in the past ten years been formally disciplined at any academic institution/place of employment. In the event the candidate cannot make this representation, they will be expected to disclose in writing to the hiring Dean the circumstances surrounding any formal discipline that they have received, as well as any current or ongoing investigation or disciplinary process of which they are the subject. (Note that discipline includes a negotiated settlement agreement to resolve a matter related to substantiated misconduct.)

Biomolecular Engineering Department: <https://engineering.ucsc.edu/departments/biomolecular-engineering>

QUALIFICATIONS

Basic qualifications (required at time of application)

Ph.D. (or equivalent foreign degree) in bioinformatics, molecular biology, computer science, mathematics, physics, or related engineering fields. It is expected that the degree requirement will be completed no later than June 30, 2023.

APPLICATION REQUIREMENTS

Document requirements

- *Diversity, Equity, and Inclusion Statement - Statement addressing your understanding of the barriers facing traditionally underrepresented groups and your past and/or future contributions to diversity, equity, and inclusion through teaching and professional or public service. Candidates are urged to review guidelines on statements (see <https://apo.ucsc.edu/diversity.html>) before preparing their application.

*Initial screening of applicants will be based on the statement on contributions to diversity, equity, and inclusion.

- Cover Letter - Letter that briefly summarizes your qualifications and interest in the position.
- Curriculum Vitae - Your most recently updated C.V., which must include published papers and manuscripts accepted for publication.
- Statement of Research - Describe in 750 words or less the following: 1) your most significant scientific contributions, 2) your overall goals and vision for a research program at UC Santa Cruz, and 3) the experience and qualifications that make you particularly well-suited to achieve those goals.
- Statement of Teaching - Statement that is 500 words or less.
- Preprint of Accepted (still unpublished) Manuscript (1 of 2) (Optional)
- Preprint of Accepted (still unpublished) Manuscript (2 of 2) (Optional)

Reference requirements

- 3-5 letters of reference required

Applications must include confidential letters of recommendation** (a minimum of three are required and a maximum of five will be accepted). Please note that your references, or dossier service, will submit their confidential letters 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>.

Apply link: <https://recruit.ucsc.edu/JPF01161>

Help contact: lcrowder@ucsc.edu

CAMPUS INFORMATION

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>). The university sponsors employment-based visas for nonresidents who are offered academic appointments at UC Santa Cruz (see <https://apo.ucsc.edu/policy/capm/102.530.html>).

UCSC is a smoke & tobacco-free campus.

If you need accommodation due to a disability, please contact Disability Management Services at roberts@ucsc.edu (831) 459-4602.

UCSC is committed to addressing the spousal and partner employment needs of our candidates and employees. As part of this commitment, our institution is a

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member of the Northern California Higher Education Recruitment Consortium (NorCal HERC). Visit the NorCal HERC website at <https://www.hercjobs.org/regions/higher-ed-careers-northern-california/> to search for open positions within a commutable distance of our institution.

The University of California offers a competitive benefits package and a number of programs to support employee work/life balance. For information about employee benefits please visit <https://ucnet.universityofcalifornia.edu/compensation-and-benefits/index.html>

As a condition of employment, you will be required to comply with the [University of California SARS-CoV-2 \(COVID-19\) Vaccination Program Policy](#). All Covered Individuals under the policy must provide proof of Full Vaccination or, if applicable, submit a request for Exception (based on Medical Exemption, Disability, and/or Religious Objection) or Deferral (based on pregnancy) no later than the applicable deadline. For new University of California employees, the applicable deadline is eight weeks after their first date of employment. (Capitalized terms in this paragraph are defined in the policy.)

VISIT THE UCSC WEB SITE AT <https://www.ucsc.edu>

JOB LOCATION

Santa Cruz, California