University of California, Santa Cruz
Department of Biomolecular Engineering
Research Specialist, Mammalian Cell Culture and Fermentation

The Department of Biomolecular Engineering at the University of California, Santa Cruz (UCSC) invites applications for the position of Specialist. This position supports a research program focused on HIV vaccine development. The selected candidate will join a highly interactive, multidisciplinary team that includes molecular biologists, virologists, and immunologists, as well as graduate students and postdoctoral scholars. The successful candidate's primary responsibilities will involve the construction of stable CHO cell lines for the expression of recombinant proteins as well as large scale transient transfections in 293 HEK cells. Job duties will also include analysis of the magnitude and quality of protein production using analytical methods such as ELISA, Immunoblot, and SDS-PAGE gels. The candidate will be expected to take an active role in contributing to technical reports and publications. The candidate will be expected to work safely with human blood products and common laboratory chemicals.

**RANK:** Associate Specialist to Full Specialist, determined by qualifications and experience (See rank qualifications)

**SALARY:** Minimum salary of $53,124, commensurate with qualifications and experience.

**BASIC QUALIFICATIONS:** A minimum of 6 years of post-baccalaureate laboratory experience (laboratory experience must include at least two years with the following: construction of mammalian cell lines using selectable markers [e.g., DHFR or glutamine synthetase], cell viability assays, mammalian cell growth curve determinations, fermentation and media optimization, and immunoassay methods [i.e. ELISA, Western blot]); or a Master's degree or equivalent foreign degree in biochemistry, molecular biology, cell biology, immunology or a related discipline and at least two years of lab experience with the following: construction of mammalian cell lines using selectable markers (e.g., DHFR or glutamine synthetase), cell viability assays, mammalian cell growth curve determinations, fermentation and media optimization, and immunoassay methods (i.e. ELISA, Western blot). Demonstrated experience with producing clonal cell lines for biopharmaceutical production. Experience with clonal cell line selection, organizational strategies required for the maintenance and amplification of mammalian cell lines. A demonstrated publication record with at least 3 authorship/co-authorships of peer reviewed scientific publications in the English language. Experience with the Microsoft Office suite. Experience with statistical analysis software (e.g., Graphpad).

**PREFERRED QUALIFICATIONS:** Previous biopharmaceutical industry experience in cell culture and fermentation research. Experience preparing data for inclusion in CMC section technical reports. Knowledge and experience implementing cGMP and cGLP practices. Experience with flow cytometry, robotic cell selection equipment (e.g., ClonePix) and electroporation equipment (MaxCyte) or surface plasmon resonance to measure protein concentrations. Experience in monoclonal antibody production, protein purification, in vitro mutagenesis and/or plasmid construction. Applicants should also be able to work accurately with close attention to detail; have good organization, time management, and problem-solving skills; and possess strong communication and interpersonal skills. Ph.D or equivalent foreign degree in biochemistry, molecular biology, cell biology, immunology or a related discipline.

**POSITION AVAILABLE:** As soon as possible after closing date.

**TERM OF APPOINTMENT:** The initial appointment is for six months, with the possibility of extension. Should the hiring unit propose reappointment; 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, curriculum vitae, research statement, at least 3 selected publications (URLs or PDF format) and three letters of recommendation.* Documents/materials must be submitted as PDF files. In-person interviews will be held at UCSC. Travel expenses are the responsibility of the applicant. Apply at [https://recruit.ucsc.edu/apply/JPF00350](https://recruit.ucsc.edu/apply/JPF00350)

Refer to Position #JPF00350-16T 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 March 24, 2016. To ensure full consideration, applications should be complete 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.

VISIT THE APO WEB SITE AT: [http://apo.ucsc.edu](http://apo.ucsc.edu)