

# UNIVERSITY OF CALIFORNIA, SANTA CRUZ

## DEPARTMENT OF ENVIRONMENTAL TOXICOLOGY POSTDOCTORAL SCHOLAR

The University of California, Santa Cruz invites applications for a postdoctoral scholar position in the laboratory of Assistant Professor Manel Camps ([http://www.etox.ucsc.edu/fac\\_res/camps.html](http://www.etox.ucsc.edu/fac_res/camps.html)) in the [Department of Environmental Toxicology](#). The laboratory uses the directed evolution of new protein functions as tools for understanding complex biological systems and for designing drug- and protein-based therapies. Areas of interest include: 1) DNA repair to use as a tool for the generation of random mutant libraries *in vitro* and also as it relates to new strategies for preferential killing of tumor cells; 2) Stem cell biology, in particular the high sensitivity of hematopoietic progenitor and stem cells to methylating agents; and 3) Molecular evolution: how changes in the amino acid sequence of enzymes give rise to new biochemical activities. Areas of expertise of particular interest to the laboratory include: structural biology, bioinformatics, DNA and nucleotide chemistry, and gene therapy. The Camps laboratory is affiliated with the Department of Biomolecular Engineering, renowned for the development of tools for analysis of the human genome. The successful candidate will have access to the UCSC Chemical Screening Center (a new high-throughput screening facility), to natural product libraries, and to the facilities of the UC Santa Cruz Institute for Stem Cell Biology.

**MINIMUM QUALIFICATIONS:** Applicants are expected to have a Ph.D. or equivalent in Biochemistry, Biology, Microbiology, Chemistry or related discipline involving the appropriate analytical and research experience, a strong interest in pursuing independent research on questions related to evolution, and to the development of new therapeutic leads. In addition, applicants should possess good written and oral communications skills, and good organizational skills.

**PREFERRED QUALIFICATIONS:** Experience with molecular DNA techniques and microbial genetics are highly desirable. Familiarity with the areas of structural biology, bioinformatics, DNA repair, DNA chemistry, gene therapy, or hematopoietic stem cell biology will be appreciated.

**RANK:** Postdoctoral Scholar - Employee

**SALARY:** Commensurate with qualifications and experience, with a minimum of \$34,404 per year

**TERM OF APPOINTMENT:** One year, with strong possibility of extension, contingent upon availability of funding and positive performance evaluation

**POSITION AVAILABLE:** As soon as possible after closing date (start date is negotiable)

**TO APPLY:** *Electronic submissions are preferred.* Applicants should send 1) a Curriculum Vita, 2) a summary of current research and a brief description of future career objectives, and 3) three (3) letters of recommendation\* *sent directly* to Manel Camps at [mcamps@ucsc.edu](mailto:mcamps@ucsc.edu). You will receive email verification that your electronic submission has been received; please inquire if you do not receive verification.

\*All letters will be treated as confidential documents; please direct your references to UCSC's confidentiality statement at [http://ahr.ucsc.edu/academic\\_policies\\_and\\_procedures/cappm/confstm.htm](http://ahr.ucsc.edu/academic_policies_and_procedures/cappm/confstm.htm).

*Alternate mailing address:*

Professor Manel Camps  
ETOX / 434 PSB  
University of California  
1156 High Street  
Santa Cruz, CA 95064

**Please refer to position #T08-34 in your reply.**

**CLOSING DATE:** Position is open until filled. Initial review of applications will begin on December 9, 2007. **Applications received after the initial review date may not be considered.**

*The University of California, Santa Cruz is an Affirmative Action/Equal Employment Opportunity Employer, committed to excellence through diversity. We strive 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: Equal Employment Opportunity/Affirmative Action Office 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.

If you need assistance due to a disability please contact the Academic Human Resources Office at 499 Clark Kerr Hall (831) 459-4300. This position description is available in alternate formats, which may be requested from Academic Human Resources at (831) 459-4300.