



UNIVERSITY OF CALIFORNIA, SANTA CRUZ
DEPARTMENT OF ANTHROPOLOGY / UCSC PALEOGENOMICS LAB
Postdoctoral Scholar - Paleogenomics

Applications are invited for a Postdoctoral Scholar position in the Human Paleogenomics section of the Paleogenomics Laboratory at the University of California Santa Cruz. The Paleogenomics lab uses genomic data isolated from archaeological human remains to better understand the population history of our species and how genetic diversity is generated and maintained within populations through time. We are especially interested in the role of the interaction of culture and biology in the formation and maintenance of human genetic variability. The Human Paleogenomics section is directed by Professor Lars Fehren-Schmitz (Department of Anthropology). The section was established recently and joined the UCSC Paleogenomics Lab, directed by Professors Beth Shapiro (Department of Ecology and Evolutionary Biology) and Richard Green (Department of Biomolecular Engineering). Together we combine experimental and computational approaches to address a variety of paleogenomics topics. We seek a Postdoctoral Scholar to participate in an NSF funded collaboration project with the George Washington University and the Yale University whose general goal is to reveal the impact of the expansion of late pre-Columbian state societies (e.g. Inca) on the genetic structure of Central Andean populations. Beyond this general point we are interested in approaching a number of other factors relevant for the population history of South America using paleogenomic tools, including health/ disease and human adaptation to stress factor acting in high altitude. The Postdoctoral Scholar will be expected to use paleogenomic and population genetic/computational techniques to explore the population history of South America and beyond and preferably be interested in developing/adapting new statistical approaches to allow population differentiation in low diversity environments. Beyond that all members of our lab are encouraged and supported to develop their own project ideas. The successful candidate will attend and participate in lab meetings and journal clubs, and will work cooperatively with a team of scientists, including molecular biologists, archaeologists, biological anthropologists, historical linguists, ethno-historians and biostatisticians.

We have a preference for candidates with experience and expertise in paleogenomics, especially individuals with experience in population genetic approaches to the statistical analysis of genome wide ancient DNA data, and excellent organizational, verbal communication, and collaboration skills and willingness to travel to field sites and museums.

RANK: Postdoctoral Scholar - Employee

SALARY: Minimum salary \$42,840, commensurate with qualifications and experience.

BASIC QUALIFICATIONS: A Ph.D. in biological anthropology, evolutionary biology, genomics, population genetics, bioinformatics, or other relevant fields; laboratory (wet lab or computational) experience; demonstrated record of research and publication; and experience with next-generation sequencing and analysis of paleogenomic NGS data, including phylogenetic and population genetic approaches to the statistical analysis of genomic data.

PREFERRED QUALIFICATIONS: The ideal candidate has experience in the analysis and manipulation of large, population genomic data sets, has programming skills and familiarity working in a UNIX environment. Active wet lab work is not mandatory for this position but experience with ancient DNA extraction, PCR amplification, genomic library preparation, and DNA sequencing protocols would be a plus.

POSITION AVAILABLE: As soon as possible after closing date.

TERM OF APPOINTMENT: The initial appointment is for two years, 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. For appointments within the University of California, the total duration of an individual's postdoctoral service may not exceed five years, including Postdoctoral service at other institutions. Under certain circumstances, a sixth year may be considered.

TO APPLY: Applications are accepted via the UCSC Academic Recruit online system, and must include letter of application addressing how you meet the qualifications, curriculum vitae, research statement, and two letters of recommendation.* Documents/ materials must be submitted as PDF files. For questions regarding the position email lfehrens@ucsc.edu.

Apply at <https://recruit.ucsc.edu/apply/JPF00312>

Refer to Position #JPF00312-16T 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>.

REVISED CLOSING DATE: Review of applications will begin on April 29, 2016. To ensure full consideration, applications and letters of recommendation should be complete by this date. The position will remain open until filled, but not later than 7/31/2016.

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.