The Paleogenomics Laboratory (https://pgl.soe.ucsc.edu/), in the Department of Biomolecular Engineering at the University of California, Santa Cruz (UCSC) invites applications for the position of Research Specialist in genomic DNA extraction, handling, and sequencing, under the direction of Dr. Ed Green. The DNA Manipulation and Sequencing Specialist will support and assist in the research of UCSC faculty using a genomics approach to understand how genetic variation is distributed among populations over geographic space, and how this changes through time. The duties of this job are the following: 1) extract DNA from a variety of tissues, including bone, hair, and other tissues, using in-house protocols; 2) assess the quality of DNA extractions using PCR and other quantitation methods; 3) prepare and quantify genomic libraries for next-generation sequencing; 4) perform next generation sequencing using standard NGS equipment; 5) perform preliminary quality control analyses of recovered data using bioinformatics approaches; 6) train and supervise users; 7) and perform analytical measurements.

The position requires the Research Specialist to successfully work and interact with people of different skills, backgrounds and experiences. It also requires the Research Specialist to learn new techniques and implement protocols with attention to detail. It is essential that the selected candidate possess strong communication as well effective time management and problem solving skills.

Candidates with any or all of the following qualifications are strongly encouraged to apply:

- Experience with next-generation sequencing technologies and the analysis of next-generation sequencing data.
- Familiarity with bioinformatics pipelines for the quality control of next generation sequencing data.
- Experience using the Illumina sequencing platform.

**RANK:** Junior Specialist, Assistant Specialist, and Associate Specialist, determined by qualifications and experience (see rank qualifications: [http://apo.ucsc.edu/policy/capm/602.330.html](http://apo.ucsc.edu/policy/capm/602.330.html))

**SALARY:** Commensurate with qualifications and experience

**BASIC QUALIFICATIONS:**

- Bachelor’s degree in Molecular or Evolutionary Biology or related scientific field, with at least one year of previous experience in laboratory research.
- Experience troubleshooting DNA extraction, PCR amplification, genomic library preparation, and DNA sequencing protocols.
- Experience with basic bioinformatic skills, including command-line interfaces and UNIX.

**POSITION AVAILABLE:** As soon as possible after the initial review of applications.

**TERM OF APPOINTMENT:** The initial appointment is for one year, with the possibility of reappointment. 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 that addresses how you meet the qualifications and a curriculum vitae. Documents/materials must be submitted as PDF files.

**APPLY AT** https://recruit.ucsc.edu/apply/JPF00455
Refer to Position #JPF00455-17T in all correspondence.

**CLOSING DATE:** Review of applications will begin on June 23, 2017. To ensure full consideration, applications should be complete by this date. The position will remain open until filled, but not later than June 30, 2018.