A research position is available immediately in the Barlow laboratory at the University of California, Davis, in the Department of Microbiology & Molecular Genetics, at the Assistant Specialist or Project Scientist level, based on experience and qualifications.

The focus of the Barlow laboratory is to elucidate the molecular and genetic factors governing how DNA damage arises in response to replicative stress using the mouse immune system as a model. A primary research aim of the laboratory is to investigate how replication stress induces DNA damage in highly proliferative cell types such as B and T lymphocytes, and to understand the mechanisms maintaining genome integrity during DNA replication. An additional aim is to develop new techniques to visualize DNA damage and repair events in both fixed and living cells.

Job responsibilities: The successful candidate is a highly motivated individual that will manage an independent research project. He/she will perform molecular, cell biology and genome-wide studies to determine the molecular determinants underlying genome integrity in proliferating cells. The candidate will develop new assays, collaborate on multidisciplinary research projects, train junior lab members, present data at scientific meetings, and help write manuscripts.

Requirements: Master’s degree or PhD in relevant discipline is required. One or more years laboratory experience post-PhD is strongly recommended; 2 or more years experience is required for candidates with master’s degree. Training in cell biology, molecular biology and genetics, and the ability to handle mice is required. Candidates with training in immunology, proficiency in fluorescent in situ hybridization, or high-throughput sequencing technologies is highly desirable.

Qualified candidates should submit CV, 1-2 page cover letter discussing the above selection criteria and reasons for joining the lab, and contact information for 3 or more references in a SINGLE PDF document to: jhbarlow@ucdavis.edu.

Salary is commensurate with experience.