Postdoctoral position is available in the Barlow Laboratory

Location: Department of Microbiology and Molecular Genetics, University of California, Davis

Position description
A postdoctoral fellow position is available in the Barlow laboratory in the Department of Microbiology and Molecular Genetics. 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. The 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. The laboratory uses a combination of genetics, molecular biology, and next-generation sequencing to investigate where and how DNA damage arises, define mechanisms controlling cancer initiation and evolution, and identify novel molecular determinants underlying cancer predisposition.

Responsibilities
The successful candidate is a highly motivated individual with a strong background in molecular and cell biology or computational biology that will manage an independent research project. The candidate will develop new assays, collaborate on multidisciplinary research projects, train junior lab members, present data at scientific meetings, and help write manuscripts.

Qualifications
Applicants must have a PhD in a relevant discipline. Training in cell biology, molecular biology and genetics, as well as excellent oral and written English skills are required. Candidates with experience in immunology, next-generation sequencing technologies, bioinformatics or computational biology will receive special consideration.

How to apply
Send a 1-2 page cover letter discussing the above selection criteria and reasons for joining the lab, CV, and contact information for 3 or more references in a single PDF document to Dr. Jacqueline Barlow at jhbarlow@ucdavis.edu.

The position will remain open until filled. Salary is commensurate with experience.