We are currently looking for a creative, motivated, and highly skilled Postdoctoral Associate to work in the laboratory of Dr. John Kuriyan at the University of California, Berkeley. The Kuriyan lab studies the mechanisms, evolution, and structures of the molecular switches that carry out cellular signal transduction. They use biochemical, biophysical, structural and cell biological analyses to elucidate mechanisms, and also study how these mechanisms change with evolution. A major focus of the lab is to understand the allosteric communication that enables proteins to be exquisitely responsive to input signals. They use high-throughput mutational analysis to determine the sensitivity of these mechanisms to perturbations, in order to determine the molecular principles governing regulation and specificity. For more information about Dr. Kuriyan and the lab’s research, please visit https://jkweb.berkeley.edu/

The chosen candidate will join a project aimed at understanding allosteric mechanisms, using deep-mutagenesis methods to study structure-function relationships in DNA replication proteins. The mutagenesis experiments will be augmented by biochemical and biophysical characterization of the properties of variant replication proteins. For more information about the project, see Subramanian et al., 2021 eLife (https://elifesciences.org/articles/66181).

Qualifications

Education
A Ph.D. in biochemistry, biophysics, structural biology, cell biology, or a closely related field is required.

Experience
Experience in using DNA sequencing-based high-throughput assays is required.
Experience in analyzing datasets is required.
Experience in analytical biochemistry is preferred.
Experience with protein structure and the dissection of structural mechanisms would be a plus.

Application Instructions
Please include the following items as part of your application (preferably as one PDF):

1. Your curriculum vitae including list of publications
2. A cover letter detailing your interest in this role
3. A list of three professional references with up-to-date contact information

To kuriyan_lab_recruitment [at] lists.berkeley.edu


Physical Requirements
Remaining in a normal seated or standing position for extended periods of time; reaching and grasping by extending hand(s) or arm(s); dexterity to manipulate objects with fingers, for example
using a keyboard; communication skills using the spoken word; ability to see and hear within normal parameters; ability to move about workspace. The position requires mobility, including the ability to move materials weighing up to several pounds (such as a laptop computer or tablet).

Persons with disabilities may be able to perform the essential duties of this position with reasonable accommodation. Requests for reasonable accommodation will be evaluated on an individual basis.

Please Note:

This job description sets forth the job’s principal duties, responsibilities, and requirements; it should not be construed as an exhaustive statement, however. Unless they begin with the word “may,” the Essential Duties and Responsibilities described above are “essential functions” of the job, as defined by the Americans with Disabilities Act.

**HHMI is an Equal Opportunity Employer.**