

**EXECUTIVE SUMMARY [NON-CONFIDENTIAL, NON-TECHNICAL ABSTRACT FOR PUBLIC INFORMATION OR PROGRAM PROMOTION]:** State in layman's terms the application's broad, long-term objectives and specific aims, making reference to the potential public benefits of the project relevant to California. Do not include proprietary or confidential information. This may be distributed before the funding decision has been finalized.

Bioinformatics continues to be a driving factor in mining the wealth of data that has been and is being generated in the genomics revolution. As biotechnology and pharmaceutical companies work to discover new drugs, they rely heavily on bioinformatics to assist in identifying and validating target genes to use in their screen process.

Bioinformatics relies heavily on computing power that utilizes fast processing speed and large memory to rapidly assess enormous databases and manipulate the acquired information. Cal State Hayward has a growing bioinformatics program that was established in 2000. The original server dedicated to this four-course program is obsolete both in terms of processing speed and memory. This proposal is to request funds to purchase a new server and tape backup system.