

**EXECUTIVE SUMMARY [NON-CONFIDENTIAL, NON-TECHNICAL ABSTRACT FOR PUBLIC INFORMATION OR PROGRAM PROMOTION]:** State 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.

Modern mass spectrometric (MS) methods have been successful in solving an ever-expanding list structural problems in biochemistry, immunology, genetics and nearly every other area of biology. Many of our BS graduates enter the local biotechnology workforce as analytical chemists, and an increasingly greater number are working with MS methods for structural identification in drug discovery. As a teaching and research institution, it is our mission to expose our students to the most current analytical tools used in research and development as possible. We are proposing to upgrade a MS donated by the Salk Institute with a new computer system that will permit our students to obtain chemical information about biomolecules to aid in their research studies.