

**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.

Bioethics is a term that defines many of the ethical issues facing students, faculty and those working in the biotechnology industry. These issues include rights of individuals in clinical trials, humane care of laboratory animals, the proliferation of genetically engineered foods, human genome manipulation, stem cell and organism cloning, bioweapons, delivery of genes to humans and animals, and patenting of organisms. Further, areas specific to professional ethics include ownership of data, plagiarism, authorship disputes, and scientific fraud. The goal of this application is to offer education in the broad area of bioethics to San Diego State University graduate students, to faculty from other CSU campuses (and through them to their students) and to employees in the biotechnology industry. This will be implemented: 1) through development of a module in bioethics to be taught at SDSU; 2) by production of a web site in bioethics that will be freely available; 3) by holding a workshop at the CSUPERB biotechnology conference; 4) by holding individual meetings with faculty at other CSU campuses; and 5) by offering a regular course in bioethics that will target both graduate students and employees of the biotechnology industry. The long term goals of teaching bioethics to those involved in developing and implementing biotechnology are to allow them to make scientifically valid choices that consider the broader ethical issues and to permit them to be capable of advising policy makers regarding these issues.