

Of Distinction

communications, sensing, data storage, and materials technologies with nearly unlimited potential commercial applications. All this research is unclassified.

- The campus is 2nd in the United States and 6th in the world in materials science and engineering, according to 1996–2006 rankings based on citations in scholarly publications and released in January 2007 by *Science Watch*, a publication of *Essential Science Indicators*. UCSB is 2nd in the world in citations per paper in the same period. In 1995–2005, UCSB physics ranked 4th among U.S. universities and 9th in the world in total citations, and #1 in the world based on citations per paper. *Science Watch* also recently ranked UCSB #1 nationwide in ecology/environment and #5 in plant and animal sciences.
- UCSB is home to the California NanoSystems Institute, which facilitates a multidisciplinary approach to develop the nanoscience technologies that will dominate science and the economy in the 21st century.
- The finest young professors in academia choose UCSB. The campus ranks 3rd in the country—behind Harvard and Massachusetts Institute of Technology—in the percentage of its assistant professors who receive prestigious research awards from the NSF and three private foundations. These organizations—the Arnold and Mabel Beckman, David and Lucile Packard, and Alfred P. Sloan foundations—award fellowships in science and engineering to researchers early in their faculty careers.
- In 2009, *U.S. News and World Report* ranked UCSB 11th in its annual listing of the Top 50 Public National Universities, and listed UCSB's College of Engineering 34th among the Best Programs at Engineering Schools Whose Highest Degree is a Doctorate.

Cover image: The FogScreen is a novel immaterial projection display. The image literally floats in thin air; touching it, all you feel is a slight cool breeze. The FogScreen can also be made interactive and auto-stereoscopic, which is the focus of UCSB researchers Tobias Höllerer and Ismo Rakkolainen, in conjunction with Ph.D. students Cha Lee, Stephen DiVerdi, and Alex Olwal. Emerging interaction technologies will allow novel applications of the FogScreen in areas from engineering to the arts. Photo by Tapio Vanhatalo/Academy of Finland.

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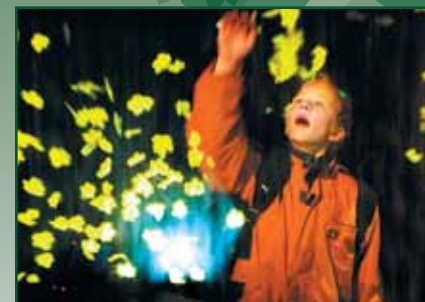
A UNIVERSITY

UCSB faculty are scholars and educators, yes, but they are also eminent scientists who engage in meaningful research that furthers knowledge and helps bring about solutions to the world's most pressing problems. Ground-breaking research is conducted in the areas of energy efficiency, the environment, medicine, and communications, just to name a few. The university's multidisciplinary culture encourages collaborations among colleagues, resulting in projects that span multiple disciplines. In fact, a sizeable number of faculty members hold professorships in two or more departments. This cross-department cooperation extends to numerous partnerships with private industry, governmental laboratories, and other universities, as well.

- The UCSB faculty boasts five Nobel laureates in chemistry, physics, and economics. Numerous other faculty honors include National Medals of Science, a National Medal of Technology, a National Medal of the Humanities, a Millennium Technology Prize, and Humboldt Research Awards. Twenty-eight professors are elected members of the National Academy of Sciences; 22 are members of the National Academy of Engineering; and two have been elected to the Institute of Medicine.
- As one of only 62 institutions in the American Association of Universities, UCSB stands among the top 1.5 percent of all universities and colleges in the United States and Canada.
- The majority of UCSB's extramural funding comes from the National Science Foundation. Reflecting its intellectual strength, UCSB is among the top 20 NSF-funded institutions.
- The campus is home to nearly 100 interdisciplinary research centers, groups, institutes, and laboratories. Of these, 13 are national research centers, nine of which are funded by the National Science Foundation.
- UCSB ranks 8th among universities nationwide that receive Department of Defense funding for basic research. Scientists are developing new

UCSB

Research at a Glance



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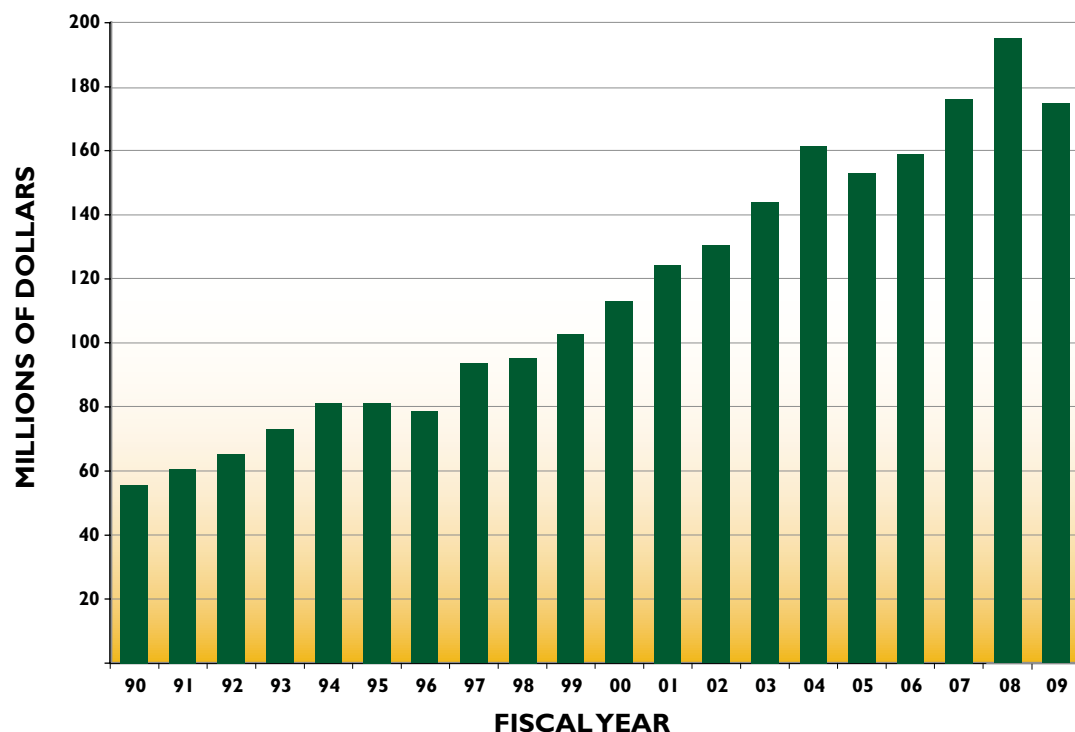
Research at a Glance

Contracts and Grants FY 2009

UCSB Contracts and Grants

STATISTICS

UCSB Sponsored Project Award Totals
Fiscal Years 1990–2009



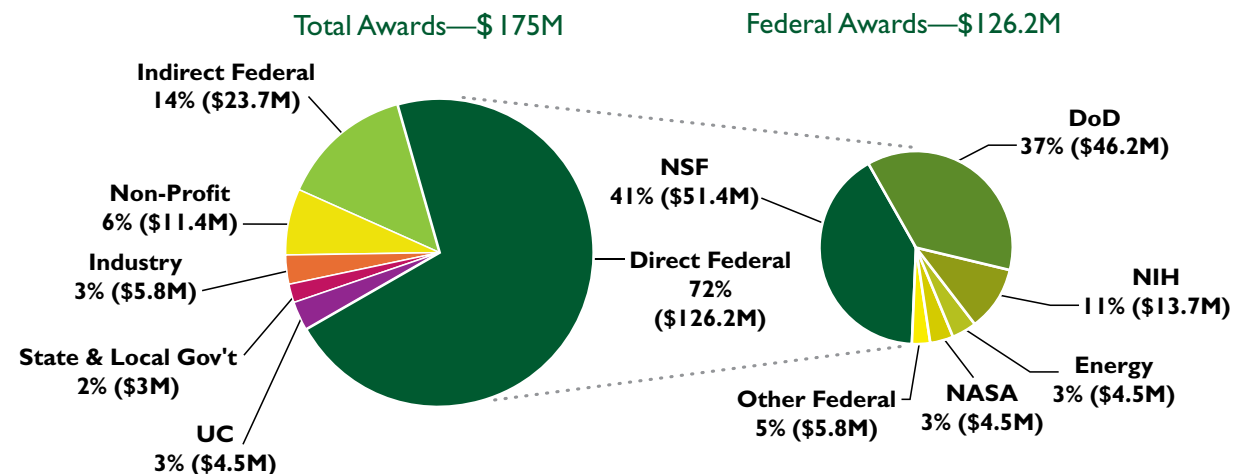
The total funding awarded to sponsored projects at UCSB in fiscal year 2009 was \$175 million, of which \$150 million came from federal agencies, either directly or through research sub-awards. Although the total extramural funding was less than 2008's record of \$194 million, the amount of federal funding represents an all-time high. Partly as a result of the national financial crisis, the amount of new funding from foundations and corporations was down in FY 2009. Even so, research expenditures increased to \$166 million from \$157 million, a 6% increase over expenditures in FY 2008.

*Includes Materials Research Laboratory and the Mitsubishi Chemical Center for Advanced Materials.

**Includes research units administered outside the college structure: Kavli Institute for Theoretical Physics, National Center for Ecological Analysis and Synthesis, UCSB Natural Reserve System, California NanoSystems Institute, Institute for Collaborative Biotechnologies, the Center for Black Studies Research, and the seven Organized Research Units.

***Includes Arts & Lectures, Davidson Library, Graduate Division, University Extension, and programs under the Vice Chancellors for Administrative Services and for Student Affairs.

2009 Awards by Sponsoring Agency



Direct federal funding amounted to 72 percent of the campus' extramural total in fiscal 2009. The National Science Foundation provided more funding to UCSB than any other extramural agency at \$51.4 million—12% more than in FY 2008. The second largest amount came from the Department of Defense, which provided \$46.2 million, about 30% more than in FY 2008. The growth in DoD funding was predominantly associated with the growth of the Institute for Collaborative Biotechnologies.

Awards in the "Indirect Federal" category were given initially to another institution for a multi-institution project, then flowed through for work performed at UCSB. Of the \$23.7M in indirect federal flow-through, non-profit sponsors provided \$13.8M; industry, \$4.2M; state & local government, \$200K; and UC, \$5.5M. Thus, 86% of the total sponsored project funding originated with the federal government.

2009 Extramural Awards—\$175 Million

Major Unit	Funding by Administering Unit	Funding by Principal Investigator's Home Unit
College of Engineering*	\$57,908,699	\$60,716,876
College of Letters & Science	\$27,349,324	\$89,410,900
Bren School of Environmental Science & Management	\$235,645	\$4,065,894
Gevirtz Graduate School of Education	\$2,877,450	\$4,318,838
Research Institutes & Centers**	\$83,552,504	\$14,665,606
Other***	\$2,652,528	\$1,398,036