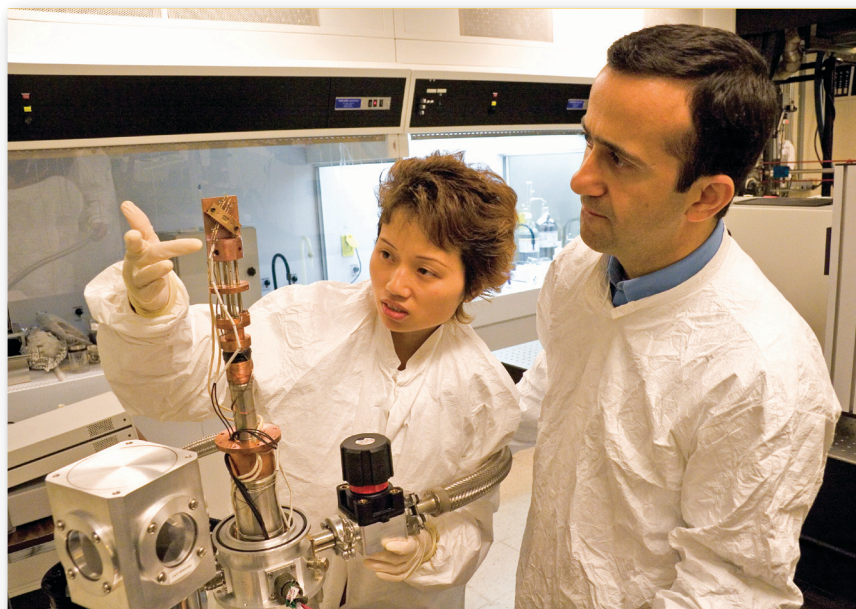




Leading in the new Millennium



THE FOLLOWING are some of UC Santa Cruz's distinctions as a major research university committed to excellence and diversity in service to society.

A National Reputation for Excellence

Growing national recognition of the quality of UC Santa Cruz's research and teaching is evident in the following national and world rankings:

- ▶ UCSC ranked 1st nationally for its academic research impact in the field of space sciences (Institute for Scientific Information, 2003).
- ▶ UCSC ranked 1st nationally among public universities for the level and quality of faculty research in the social sciences (Graham and Diamond, 1997).
- ▶ UCSC ranked as the 2nd most influential research institution in the world in the physical sciences (ISI, 2001).
- ▶ UCSC ranked 6th nationally in the level and quality of faculty research in the arts and humanities (Graham and Diamond, 1997).
- ▶ UCSC ranked 11th among public universities nationally for the overall level and quality of faculty research (Graham and Diamond, 1997).
- ▶ In a study of preferences of 3,240 high-achieving high school students, UCSC ranked 16th among the country's most desirable public colleges and universities (National Bureau of Economic Research, 2004).
- ▶ In 1999, UCSC was ranked 15th among members of the Association of American Universities for the percentage of students whose bachelor's degrees led to doctorates.

Quality and Innovation Rewarded with External Funding

Significant gains in contracts, grants, and private funding demonstrate increasing appreciation for UC Santa Cruz's excellence in research.

- ▶ UCSC manages a \$330 million national research program under an agreement between UC and NASA announced in 2003. The 10-year contract, the first of its kind for NASA, establishes a University Affiliated Research Center at the NASA Ames Research Center at Moffett Field.
- ▶ The New Teacher Center is part of a \$36 million program providing mentoring to all first-year New York City public school teachers. In 31 states and Puerto Rico, the NTC has increased teacher retention and boosted student achievement.
- ▶ UCSC received a \$9.1 million grant in 2002 from the Gordon and Betty Moore Foundation to establish the Laboratory for Adaptive Optics, which complements the Center for Adaptive Optics, established in 1999 with a \$20 million grant from the National Science Foundation.
- ▶ Implantable microelectronic devices for overcoming blindness, paralysis, and stroke damage are the focus of a new center in which engineers from UCSC are collaborating with scientists from two other universities. The National Science Foundation is providing \$17 million to fund the Center for Biomimetic MicroElectronic Systems (BMES), a national Engineering Research Center.

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Honors:

The following list includes just a few of the many UC Santa Cruz faculty and alumni who have received significant honors in recent years:

- ▶ The U.S. Department of Energy gave the 2004 E. O. Lawrence Award in Physics to Claire Max, professor of astronomy and astrophysics. Max received the award for contributions to the theory of laser guide star adaptive optics and its application in ground-based astronomy.
- ▶ In 2004, alumnus Joseph DeRisi, UCSF associate biochemistry and biophysics professor, received a \$500,000 John D. and Catherine T. MacArthur Foundation “genius” grant. DeRisi is developing the means to measure thousands of genes simultaneously in an effort to decode cellular function mysteries. He is the seventh person affiliated with UCSC to receive a MacArthur Fellowship.
- ▶ Elliot Aronson, psychology professor emeritus, was named among the 100 most eminent psychologists of the 20th century in the July/August 2002 *Review of General Psychology*.
- ▶ Research in the laboratory of chemistry professor Bakthan Singaram offers a promising route to a long-sought goal—a continuous glucose monitor to replace the finger pricks that are a part of the daily life for so many diabetics. Singaram’s sensor produces an optical signal that changes in intensity as a chemical response to fluctuations in glucose levels.
- ▶ The Association for Computing Machinery named David Haussler, biomolecular engineering professor and director of the Center for Biomolecular Science and Engineering, corecipient of the 2003 Allen Newell Award. Haussler also received a 2003 Tech Museum of Innovation Award for Technology Benefiting Humanity.

UC Santa Cruz at a Glance



Affiliation: One of ten campuses of the University of California; established in 1965 in Santa Cruz, California

Location: Just off Highway 1 on the Central Coast of California, 75 miles south of San Francisco and 30 miles west of San Jose

Chancellor: Denice D. Denton

Student body, fall 2004: 15,013

Professorial faculty: 542

Total number of alumni: 63,500

Undergraduate academic programs: more than 60 majors in the arts, engineering, humanities, physical and biological sciences, and social sciences

Graduate academic programs: advanced degrees in 30 academic fields

Distinctive research institutes, centers, and activities: Institute of Marine Sciences; Center for Justice, Tolerance, and Community; Dickens Project; Institute for Advanced Feminist Research; Santa Cruz Center for International Economics; Center for Agroecology & Sustainable Food Systems; High-Speed Network Laboratory; Santa Cruz Institute for Particle Physics; Center for Molecular Biology of RNA; STEPS Institute for Innovation in Environmental Research; UCO/Lick Observatory; Chicano/Latino Research Center; Arboretum; Shakespeare Santa Cruz

Total operating budget, 2004–05: \$413.6 million, including \$142.4 million from the state of California

Mascot: Banana Slug (*Ariolimax dolichophallus*)