



SUCCESSSES

Piece of the prize

The Nobel Peace Prize shared by Al Gore and the International Panel on Climate Change has Colorado State connections. Several CSU scientists contributed to the IPCC, which includes thousands of scientists worldwide. CSU's David Randall was lead author of a climate modeling chapter. Keith Paustian and Rich Conant were lead authors on chapters for a carbon cycle report. Stephen Ogle was lead author on a chapter on mitigation options in agriculture. "Through the scientific reports . . . the IPCC has created an ever-broader informed consensus about the connection between human activities and global warming," the Nobel Committee noted.

Lab lift

Colorado State's new, 38,000-square-foot Rocky Mountain Regional Biocontainment Laboratory, unveiled in October, will help researchers focus on the preventions, diagnoses, and cures for some of the world's most deadly infectious diseases. The laboratory, among the most secure of its kind in the world, houses internationally recognized infectious-disease research already underway at CSU, including new ways to protect the United States from bioterrorism and emerging diseases such as avian flu. The lab will bring University researchers together with government, academia, and industry scientists to develop new vaccines, therapies, and diagnostics to help people around the world.

Top M.B.A.

Colorado State University's College of Business offers one of the best M.B.A. programs in the nation and is one of the top 10 best administered, according to *The Princeton Review*. CSU's business college is among 290 colleges listed in the 2008 edition of the annual guide, which features two-page profiles on the school's academics, student life, admissions, and career/placement programs. Colorado State has ranked among the top 10 in the "best administered" category for the past three years.

Computer science investment

A new \$14 million, 45,000-square-foot computer science building will boost artificial intelligence, network security, and high-performance computation at CSU. The building, where officials broke ground in September, is an investment in students, faculty, and the economic health of Colorado, said CSU President Larry Penley. The facility will house more than 200 computers, 27 faculty offices,

a Linux lab, and three computer labs. The need statewide and nationally for computer science professionals remains high, said Darrell Whitley, CSU professor and chair of the Department of Computer Science. "Companies are begging for our student as interns and are quick to hire them after graduation." Students are funding construction of the new building through their facility fee, and it will serve students in every major on campus.

PARTNERSHIPS

Killer kitchens

Fort Collins-based Envirofit International Ltd. will bring energy-efficient, pollution-reducing technologies to millions of people worldwide. A ground-breaking partnership with Shell Foundation and Envirofit – a spinoff company from CSU's Engines and Energy Conversion Lab – will use clean-stove technology developed at CSU to significantly reduce deaths caused by indoor air pollution. Almost half of the world's population uses unsafe cookstoves, burning fuels like wood, dung, and crop waste that generate lethal fumes, causing 1.5 million deaths each year. Envirofit will design and distribute 10 million clean-burning cookstoves under a five-year, \$25 million grant from the Shell Foundation.

Public health partnership

Colorado's first School of Public Health, a collaborative effort of the University of Colorado at Denver and Health Sciences Center, Colorado State University, and the University of Northern Colorado, will open in Fall 2008. The new school will allow more students to receive public health training, speed interdisciplinary research, and provide access to training and research funds only available to accredited schools of public health. The school will serve existing public health professionals and graduate students with online classes and offices and classrooms on all three campuses.

Green education

The Colorado State University Institute for the Built Environment and the Poudre School District are partnering to design and construct the first national LEED (Leadership in Energy and Environmental Design Rating System) registered project for an elementary school. The new elementary school, in addition to incorporating innovative green building features, will emphasize the concept of a "school building that teaches," engaging the students in experiential learning about the connections between how a building operates and a healthy planet.

PROGRAMS

Doctoral debut

CSU's Department of Journalism and Technical Communication is offering a new doctoral program in public communication and technology beginning Fall 2008. The new degree program will focus on the impact of new communication technologies in people's lives. Coursework includes new communication technologies, communication theory, and social science research methods. The program will prepare graduates for careers in academia, private industry, government agencies, and non-profit organizations.

4-H boost

Colorado State received \$1.5 million from Walter and Rose Stonehocker to support 4-H youth development in Adams County, a first-of-its-kind endowment for a Colorado State Extension county position in Colorado. 4-H improves grades, sociability, and community engagement of youth in Colorado, according to research, and prepares Colorado high school graduates for college and the workforce. Extension has offices in 59 Colorado counties.

Ag-safety assist

Colorado State is helping children on family farms and ranches stay safer. Children of agricultural families often help with agricultural production – one of the most dangerous occupations in the United States – but are injured or killed in preventable accidents, says researcher Vicky Buchan, deputy director of the High Plains Intermountain Center for Agricultural Health and Safety at CSU. Buchan has created an interactive, educational CD for third- through sixth-graders on grain handling, tractor safety, ATV safety, animal handling, and chemical handling. The project is funded by the National Institute for Occupational Safety and Health.

RESEARCH

TB research

Colorado State received \$3.7 million in grants from the Bill & Melinda Gates Foundation for tuberculosis research. The grants are part of a larger \$280 million commitment from the Gates Foundation to accelerate the development of new drugs, vaccines, and diagnostics for the disease. The grants will help researchers trace how tuberculosis bacteria grows inside the body so they can better simulate those conditions in the lab and test potential drugs. In 1993, the World Health Organization declared TB a global health emergency.



Office of the President
Fort Collins, Colorado 80523-0100

CSU matters

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