Example 3D facial photograph used to develop novel diagnostic tools for fetal alcohol spectrum disorders (Dr. S. Mattson),

Fieldwork on Kilauea Volcano, Hawaii (Dr. A. Pietruszka),

Coxsackievirus-infected myeloid cells (green) trafficking into neurogenic regions (red) of the newborn central nervous system. Cell nuclei were stained with DAPI (blue) (Dr. R. Feuer),

Student M. Jennings studies the effects of wildfire on bobcats in San Diego County (Dr. R. Lewison),

Fieldwork on Kilauea Volcano, Hawaii (Dr. A. Pietruszka),

SDSU civil engineering students enjoy the Panama Canal transit (Mr. T. Zink),

Chris Millow holds an adult black skimmer (Rynchops niger) as part of his Master's thesis on how contaminants influence reproductive success (Dr. R. Lewison)
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One of the many things that attracted me to San Diego State University was the prominent role research and creative endeavors play in the life of the university. SDSU is nationally recognized for achievements in research. Last year, SDSU faculty and staff were successful in securing $145 million for their projects, a remarkable accomplishment.

This report highlights the work of SDSU researchers who are addressing critical societal challenges. Their research will create a sustainable world that is healthier, safer, and better educated.

**Studying Moral Courage**

Professors Rebecca Moore and Risa Kohn developed this new initiative last year. This interdisciplinary think tank focuses on the critical study, promotion and recognition of moral courage and brings together scholars across a broad spectrum of specialties (history, political science, philosophy, religious studies, Jewish studies, psychology, and ethics), world-renowned leaders and thinkers, and the students of San Diego State University. The program will encourage the examination and study of a range of issues related to moral courage under the broader rubric of contemporary global ethics.

Dr. Kathleen Jones’ seminar on “The Political Theory of Hannah Arendt” explores key works by this political theorist, and provides a philosophical perspective on current debates about the use of violence to settle political conflicts, about the conditions of democracy, and about the scope and importance of human rights.

**Inclusive excellence**

All students – regardless of background or station – can achieve excellence. SDSU faculty and staff share a deep belief in human potential and their work supports all students as they strive to be successful.

As an example, SDSU’s College of Education is a national leader in training teachers to support students with autism. While the incidence of autism is increasing, school districts are faced with a shortage of teachers prepared to support students with autism spectrum disorders (ASD) and their families.

SDSU faculty in education, psychology and public health work to address the needs of this population and SDSU’s new master’s degree in autism provides training to graduate students who plan to work in this field.

Dr. Vera Gutierrez-Clellan and Dr. Valerie Cook-Morales are examining transdisciplinary approaches to ASD. Dr. Ralph-Axel Mueller studies brain development in children with autism using magnetic resonance imaging techniques, eye-tracking, behavioral, and neuropsychological measures and Dr. Laura Hall works with special educators to provide advanced knowledge that will foster teacher retention.

**More SDSU programs promoting access and achievement**

Mr. Michael Eichler prepares low income students to be community leaders and lawyers.

Dr. Thomas Carey’s project provides developmental math courses and has proved successful in fostering community college student success.

The Bridges to the Baccalaureate Program, led by Dr. Jose Castillo, helps community college students achieve their academic objectives through enrichment courses. These students are tracked from program entry through transfer to SDSU and matriculation to graduate school.

Dean David Hayhurst’s “SERVICE” project creates a path from military service to a career in engineering by early intervention in the veteran’s academic career, both by engaging soon-to-be-discharged service members in educational paths that shorten the time to degree and by establishing a robust, year-round, industry-supported, paid internship program with local engineering firms.

Engineering professor Gustaaf Jacobs leads an outreach initiative that integrates and motivates students (K-12 through the graduate level) from underrepresented groups into aerospace research and development.

Dr. Louis Murillo’s work creates a “college-going” culture by providing middle school students the information they need to become college students.

Dr. Donna Conaty continues the Southern Counties Arts Project which provides comprehensive teacher leadership development, builds teacher learning communities, and strengthens technical assistance and support in the arts disciplines for low performing schools.

In the Imperial Valley, Ms. Susanna Fuentes and Dr. Gregory Ponce are providing workplace skills training, as well as math and English immersion projects.

**Research & creative endeavors are critical to addressing challenges in healthcare**

SDSU scholars are helping address problems in the areas of cancer, child health, aging and PTSD.

**Tackling Cancer Topics**

Psychologist Vanessa Malcarne runs the state’s Breast Cancer Clinical Trials Education Program which is designed to significantly increase African-American and Hispanic-American women’s knowledge and participation in breast cancer clinical trials. Fellow psychologist Elizabeth Klonoff works with the state’s tobacco control department to prevent youth access to tobacco and psychology chair Georg Matt is studying third-hand smoke pollution and exposure in the homes of ex-smokers.

Dr. Suzanne Hughes works with Korean-Americans...
Message from the President

who are at higher risk for passive smoke exposure (PSE) and related diseases.

Professor Wayne Beach’s award-winning theatrical production “Conversations About Cancer” portrays family members communicating about cancer.

Chemist Thomas Huxford’s research increases understanding of the molecular structure and chemistry of IkappaB kinase complex (IKK), which could assist in the development of novel drug therapies in cancer treatment.

Dr. Terry Cronan hosted The International Cancer Continuum Conference to better understand the similarities and differences of American and European approaches to cancer research and practices.

Child and Community Health

SDSU faculty in health, psychology, economics, education and biology are addressing issues related to children and the health of our community.

Dr. Melbourne Hovell and his UCSD colleagues were selected to lead Southern California’s arm of the prestigious National Children’s Study, the largest long-term examination of children’s health and development ever conducted in the United States.

Our faculty are examining the experience of culturally diverse youth in school-based mental health services programs (Dr. May Yeh); promoting parental involvement in youth mental health services (Dr. Rachel Schlage); and making strides in pediatric anxiety and depression (Dr. V. Robin Weersing). Dr. Joseph Price works with Rady Children’s Hospital to improve pediatric mental health. Several other professors are collaborating with our local hospitals, including Dr. Janelle Stichler (Sharp Hospital), Dr. John Landsverk (Rady); Dr. Roland Wolowicz (Hospital for Special Surgery), and Dr. Susan Hedges (Palomar Hospital).

Psychologist Sarah Mattson is studying math and attention deficits in children with Fetal Alcohol Syndrome.

Latino researchers from all over the nation attended a special health disparities mentoring program last year led by Drs. John Elder and Greg Talavera. Dr. Colette Ingraham is promoting health and wellness in San Diego’s City Heights neighborhood.

Health professors Guadalupe Ayala, Elva Arredondo and Hala Madanat and nutrition scientist Mark Kern are studying obesity prevention, effects of sweeteners, cholesterol impact of certain foods and exercise, and the consumption of fruits and vegetables in low income households.

Many of our youth are using MP3 players and IPODS with growing frequency. Dr. Peter Torre is studying the effects of these personal music systems on the cochlear within the inner ear. Dr. Carren Stika helps us understand the developmental trajectories of children with mild to severe hearing loss.

Assisting the Aged

Immunologist Joy Phillips is developing special vaccine strategies for the aged and therapeutics to halt respiratory viral infections. Dr. Marilyn Thoman is studying a novel gene therapy to restore the aged Thymus; and Dr. Roland Wolowicz is examining the protein target responsible for osteoarthritis onset and progression.

Dr. Caren Sax and her colleagues have established an aging and disability resource center. Using fMRI imaging of the aging brain, psychologist Claire Murphy studies impairment of taste and olfactory function which can negatively impact dietary selection, nutritional status, and mortality in the elderly.

Aphasia, a language disorder caused by stroke, has enormous physical, emotional, and financial consequences. Dr. Lewis Shapiro’s and Dr. Tracy Love’s studies detailing the language deficits in aphasia have implications for rehabilitation of stroke victims.

Help for PTSD

Dr. Marian Liebowitz is leading The HeartPower Performances at Veterans Village San Diego. These performances are enhancing the treatment of traumatic brain injury, post-traumatic stress disorder (PTSD) and addictions in the veteran population with concerts and music classes.

Dr. Michael Buono is examining physiological response to exercise in a combined heat and altitude environment. Psychologist Nader Amir is studying home delivery of his PTSD relaxation model and Dr. Ariel Lang is working on a novel memory program to decrease PTSD symptoms.

Addressing local and national environmental challenges

Biologist Todd Anderson and his colleagues are helping to sustain a healthy

San Diego bay by improving the flow-through seawater system at our Coastal Marine Laboratory Institute. Similarly, Dr. Brian Hentschel examines the impact of plastic marine debris on the bay.

Several SDSU faculty focus on conservation of San Diego species and land. Dr. Rebecca Lewison studies gull billed terns in and around San Diego Bay, as well as the Hawsbill sea turtle. Dr. Douglas Deutschman’s work involves burrowing owls, pink abalone, and seagrass ecosystems. The revegetation and restoration projects led by Dr. Kevin Hovell and Mr. Tom Zink involve temperate reefs, plant species management and fire management at San Clemente, Murphy Canyon, Miramar, Point Loma, Coronado, and Camp Pendleton. Dr. Rob Edwards and Dr. Forest Rohwer study the ecology and viromes of coral reefs.

Iron is a critical micronutrient for all plant species, including those associated with the marine environment. Dr. Carl Carrano’s research examines how this vital element is acquired and stored in a seaweed model.

Our faculty are actively using information from the natural world (e.g., bio-mimetics) to design their own systems. For example, by making improvements to the performance of certain algal strains, Dr. John Love contributes to lowering the cost of producing near net-zero carbon liquid fuels. Dr. Douglas Grofman is using his understanding of catalytic reactions to design new compounds that will use the energy from the sun to separate water into hydrogen and oxygen, storing hydrogen as a fuel and returning the oxygen to the atmosphere. And, Dr. Laurence Beauvais is experimenting with novel chemical frameworks that will allow lignin in agricultural waste to be converted into transportation fuel and other useful chemicals.

Leadership Starts Here

It is clear from the foregoing that our faculty and staff members are national and international leaders. Their work is critical to addressing local and national challenges and to creating a better society. I and our entire administrative leadership team are very proud to introduce this report which highlights the diverse and impressive programs SDSU researchers are undertaking.

Elliot Hirshman, President
MESSAGE FROM THE VICE PRESIDENT

Last year I wrote of SDSU’s having risen to unprecedented levels of research achievement and recognition on the strengths of our faculty’s public commitment to research, the accomplishments of our students as displayed at the annual Student Research Symposium, and the external endorsements of our scholarly productivity by Academic Analytics and others.

These gains were consolidated in 2010-11. The National Research Council, in its occasional evaluation of America’s doctoral programs (1982, 1995, 2010), reaffirmed the lofty ranking of several of SDSU’s joint Ph.D. programs, most notably those in clinical psychology (99th percentile) and in language and communicative disorders (90th). Our faculty completed competition for Stimulus Package funding by winning $29.3 million, bringing extramural funding for the two-year period 2009-11 to $296 million. The number of articles in the local media recognizing SDSU’s scholarly contributions has risen commensurately.

Three of SDSU’s most ardent advocates for research, President Stephen Weber, Research Foundation Executive Director Dan Gilbreath, and I are leaving our offices this summer, to be replaced by President Elliot Hirshman, Executive Director Bob Wolfson, and Vice President for Research Steve Welter. The commitment of energy and resources that has permitted SDSU’s research agenda to thrive through this trying period remains strong in our successors, and we foresee a continuation of our progress in conducting the research that benefits society and our university.

That progress will not be without its challenges. The shortfall in state support, even mitigated by hefty tuition increases, has still cost SDSU some 85 tenure-track faculty positions in the past three years—a reduction in the ranks of those who conceive the research ideas and write the proposals, articles, and books. Stimulus Package funding has now ended, and we need to build on our successes in that competition to replace these resources. The federal budget is under unparalleled pressure, and it is foregone that the agencies and foundations most critical to our support will struggle even to maintain their present budgets. Against these concerns, we welcome a cohort of 40 faculty to our campus this year, each with a lively research agenda that will enrich SDSU’s scholarly portfolio.

It has been my privilege to see SDSU’s research flourish during this decade, and to recognize the impact this has had on our students, on the resources and reputation of the university, and on the citizens of San Diego whose welfare has been among our concerns. I will return to the satisfying prospect of more direct contact with our students as a faculty member in psychology, with appreciation for the contributions of our many colleagues who have made this a decade of progress.

Thomas R. Scott
Vice President for Research and Graduate Dean, SDSU
August 2011

\[1\] 2011 Student Research Symposium programs, \[2\] Ph.D. student at Computational Science Research Center’s Annual ACSESS Research Forum (Dr. J. Castillo), \[3\] Ecology student Lee Reeve conducts research on California halibut (Paralichthys californicus) in the San Diego Bay (Dr. R. Lewison)
Founded in 1897, San Diego State University is the oldest and largest public institution in the region and the third largest in the state of California, with more than 31,000 students. Seven individual colleges offer the opportunity to participate in an academic program distinguished by direct contact with faculty who are both teaching and conducting important research and scholarship.

Students may choose from 85 undergraduate majors and 77 master’s programs in one of these colleges: Arts and Letters, Business Administration, Education, Engineering, Health and Human Services, Professional Studies and Fine Arts, and Sciences. Non-traditional students are served by SDSU’s College of Extended Studies. The San Diego campus is complemented by the Imperial Valley campus which serves the desert area of southwestern California.

An increasingly popular choice among college-bound students, SDSU received more than 61,000 undergraduate applications for fall 2010. The applicants were among the most academically accomplished in university history, with the fall 2010 freshmen class boasting a 3.6 GPA.

Unique and Distinguished

SDSU continues to earn national and international recognition. Among its accomplishments:

- SDSU is #13 in the nation for bachelor’s degrees conferred to ethnic minorities (Diverse Issues in Higher Education, June 2011)

According to U.S. News & World Report’s “America’s Best Colleges 2012 Guide”:

- Ranked among the best national universities in the country
- Ranked among the top universities for economic and campus ethnic diversity
- Ranked among the nation’s best undergraduate engineering programs


- SDSU’s rehabilitation counseling program ranks #9 in the nation
- SDSU’s joint doctoral program in clinical psychology (with UCSD) is ranked #25 in the nation
- SDSU’s graduate program in jewelry and metalwork is ranked #5 in the nation

Other SDSU graduate programs ranked among the nation’s best by the Guide: biological sciences; chemistry; business; education; engineering; psychology; healthcare management; public health; audiology; nursing; fine arts; homeland security, and social work.

A Global Perspective

SDSU offers 335 international education programs in 52 countries. The Institute of International Education ranks SDSU #1 in California and #22 nationally among the top 40 doctoral universities for students studying abroad as part of their college experience.

SDSU’s international business program is one of the largest undergraduate business programs in the country, serving more than 850 students annually, and is ranked among the nation’s best.

SDSU is home to the first-ever MBA program in global entrepreneurship.

SDSU is the first university to offer a transnational triple degree program in international business (SDSU/Mexico/Canada and SDSU/Mexico/Chile).

SDSU’s Language Acquisition Resource Center is one of nine sites selected by the U.S. Department of Education to serve as a National Language Resource Center.

SDSU’s International Security and Conflict Resolution (ISCOR) major is the first of its kind in California.

A Rich Research Agenda

Designated a “research university” with high research activity by the Carnegie Foundation, SDSU strongly supports the research and creative endeavors of faculty and staff who received more than $145 million for their programs in fiscal year 2010-11. Students benefit by studying with these successful researchers and by participating with faculty members in a variety of service projects. Nearly 3,000 projects are currently underway led by distinguished faculty experts.

SDSU has developed an impressive portfolio of commercialized intellectual property including 31 patents and 39 active license agreements. More details are provided on page 7.

New doctoral programs in geophysics (3), evolutionary biology (3) and engineering (18) have already enrolled 24 students. These programs bring the total number of joint doctoral programs to 19.

The 2011 Student Research Symposium provided an opportunity for hundreds of undergraduate and graduate students to present their original research, scholarship, and creative activities through poster and oral presentations.

① Child and Family Development students leading lessons on bullying in 5th grade classes at Cherokee Point Elementary (Dr. A. Hokoda), ② 2011 Student Research Symposium, ③ Professor Sam Shen uses mathematics and statistics to study climate changes, ④ Student Chris Keller travels to Vienna (Rathaus Town Hall) on an international scholarship, ⑤ Exploring science at SDSU Day (Dr. G. Jacobs), ⑥ The head of a northern bottlenose whale (Hyperoodon ampullatus) salvaged in Iceland and reconstructed from x-ray CT scans (Dr. T. W. Cranford)
2011 Research Awards and Accomplishments

The 2011 Albert W. Johnson Research Lectureship was awarded to Dr. John Weeks, distinguished professor of geography, a leader in the areas of demography, spatial demographics, and geographic information science. His studies of poverty, disease, and fertility rates in Egypt, Jordan, Ghana, and Mexico provide important data and statistical models of existing and predicted patterns important to world health and economics. A prolific author, his text, “Population: An Introduction to Concepts and issues,” now in its 11th edition, is still the most widely used text in demography 30 years after its appearance.

Astronomer William Welsh is a participating scientist on NASA’s Keplar Mission which searches for Earth-sized planets in the solar system. The Keplar team has discovered five new exoplanets (those beyond our solar system).

Visiting professor Thomas Carey is a Senior Partner for Network Growth at the Carnegie Foundation and leads a faculty exchange and collaboration program in California community colleges.

Dr. Karen Emmorey, director of SDSU’s Laboratory for Language & Cognitive Neuroscience, became a Fellow of the American Association for the Advancement of Science.

Dr. Forest Rohwer’s book, “Coral Reefs in the Microbial Seas” was published last year. It tells the story of the most biodiverse of ecosystems: the coral reef; how coral bleaching and disease have spread; and how recent changes to the reefs are the result of microbes responding to human impacts.

Capital Campaign Launched

Private giving to SDSU continues to rise dramatically, growing from $18 million fifteen years ago to more than $75 million last year. San Diego State University has embarked on a $500 million capital campaign to raise funds for scholarships, endowed department chairs, professorships and programs which will help prepare students to become leaders who are ready to engage locally and compete globally. Generous donors have already contributed more than $270 million to the campaign.

1 Dr. Rebecca Lewison measures a black skimmer to determine contaminant levels in San Diego seabird colonies, 2 Drs. Laura Hall and Bonnie Kraemer with Master’s Degree in Autism graduates, 3 Dr. Paul Ganster, former CA Senator Denise Moreno Ducheny and Edgar Ruiz, Deputy Director of the Border Legislative Council, at Institute of the Three Californias meeting.
Supporting San Diego State University

Incorporated in 1943, SDSU Research Foundation is a non-profit corporation and auxiliary organization of San Diego State University. Authorized by California’s Education Code and governed by a board of directors composed of SDSU faculty and staff and community members, the research foundation exists to serve the educational, research, and community service mission of SDSU.

The research foundation administers roughly 3,000 research, training, and self-support projects and manages nearly one million square feet of property. Revenues administered reached over $230 million in the 2010-11 year, including $36 million on behalf of The Campanile Foundation, SDSU’s philanthropic auxiliary organization.

SDSU Research Foundation carefully manages the grants and contracts awarded to SDSU faculty and staff which last year totaled $145 million. From account set up through final audit, staff ensure that monies are spent appropriately to achieve both sponsor and research objectives.

Providing Key Services

As an auxiliary organization, SDSU Research Foundation works in partnership with SDSU to facilitate the work of its researchers. For the benefit of the university, staff:

- Assist faculty and staff in developing and administering federal, state, and privately funded projects.
- Identify funding sources, offer grant-related workshops, and assist with proposal development and submission.
- Develop project budgets, obtain university approvals, and negotiate sponsored grant and contract awards.
- Assist with staff recruitment, and purchasing support for funded projects.
- Provide technology transfer services, protect intellectual property, and commercialize technology developed at the university.
- Identify, acquire, and manage real property in support of sponsored programs not housed in university facilities.
- Provide accounting and financial reporting support for research and project funds, scholarships, institutes, and The Campanile Foundation.

INVESTING IN RESEARCH

Research Program Support

In addition to the ongoing services provided to SDSU researchers last year, the research foundation provided $6.5 million to enhance current programs and to invest in new research initiatives. Last year, “research support funds” were used to provide seed money for new projects, start-up funds for new researchers, gap funding, lab technician positions, matching funds for equipment, and financial support for joint doctoral programs and the university grants program.

Housing SDSU’s Expanding Research Program

SDSU Research Foundation houses approximately two-thirds of the sponsored research activities conducted by university faculty and staff. In response to growing research and university needs, the research foundation manages a portfolio of space valued at nearly $125 million.

Last year, new space was identified and designed for SDSU’s Center for Behavioral Teratology. Center director Ed Riley and associate director Sarah Mattson and colleagues are pioneering efforts to understand fetal alcohol syndrome and the effects of prenatal alcohol exposure and other teratogens. Psychology professors Pamela Moses, Ralph-Axel Mueller, and Robin Weersing were relocated to 5,000 square feet of space where they study brain and cognitive development of children with developmental disorders and interventions for anxiety and depression in children and adolescents.

A new suite including shared office space and a sound booth was designed for speech pathologists Tracy Love and Lewis Shapiro who study language processing in child and adult populations.

BioScience Center

Support for this important research center where scientists are conducting innovative projects to help understand and prevent cardiovascular and other diseases, continues. The research foundation provides an annual lease payment that funds the debt service on this 30,000 square foot building. Last year, a consortium was established with the University of Nebraska Medical Center to facilitate development of a novel approach to make vaccines for both young and elderly patients. An additional generous donation last year from Darlene Shiley will allow the final floor of this state-of-the-art facility to be developed.

“It is a privilege to assist the dedicated and accomplished faculty and staff at SDSU. We are proud to partner with the university to facilitate their remarkable work.”

Bob E. Wolfson, executive director, SDSU Research Foundation
Coastal and Marine Institute Laboratory

One of the few marine laboratories constructed in an urban environment, the Coastal and Marine Institute Laboratory provides indoor and outdoor laboratory space for SDSU faculty and students studying environmental and public health issues related to local coastal waters. The 40,000 square foot building also houses U.S. Geological Survey employees who collaborate with SDSU faculty and The Center for Bay and Coastal Dynamics which was established last year by SDSU, the Port of San Diego, Scripps Institution of Oceanography, and Hubbs SeaWorld Research Institute.

Last year, Dr. Todd Anderson and his colleagues secured an important National Science Foundation grant to enhance the flow-through seawater system - the “lifeblood” of any marine laboratory. Planned enhancements will result in better water quality, labor reduction, the ability to conduct longer-term experiments, and an expansion of research possibilities for SDSU faculty and students.

OTHER SUPPORT

Technology Transfer Services

Since its inception in 1998, the Technology Transfer Office has managed 220 intellectual property disclosures, including 145 patentable inventions, 71 copyrightable works and four trademarks. The current portfolio includes 31 issued patents and 39 active license agreements. Last year’s licenses included:

- Software that treats Social Anxiety Disorders
- “DUI On System” to allow SDSU’s nationally recognized Driving Under the Influence therapy and training materials to be accessible through online access
- Technology that provides a novel virus expression system for drug delivery that offers less danger and lower costs.

Our Professors Helping Professors (PhP) mentoring program matches senior faculty with junior researchers who are developing grant programs. Last year, six teams from the colleges of sciences, engineering and education participated. Three proposals were submitted and one award was received.

Washington DC Representation

To help federal government decision makers find solutions to pressing national needs, SDSU Research Foundation works with a Washington-based firm to raise awareness of SDSU’s unique capabilities. The firm has worked with members of Congress to include authorization language for a few select high priority research and education programs to address critical national needs.
The following sponsors support the many fine programs conducted by SDSU faculty and staff. Without sponsor resources, these programs and their significant contributions could not be realized. We thank our sponsors for their critical financial resources and their commitment and enthusiasm for these important programs.

**Federal Agencies**
Administration for Children and Families
Air Force Office of Scientific Research
Air Force Research Laboratory
Army Armament Research, Development and Engineering Center
Army Corps of Engineers
Army Materiel Command
Centers for Disease Control and Prevention
Centers for Medicare and Medicaid Services
Fleet and Industrial Supply Center
Fogarty International Center
Health Resources and Services Administration
Lawrence Livermore National Laboratory
NASA Headquarters
NASA Jet Propulsion Laboratory
National Aeronautics and Space Administration
National Institute on Alcohol Abuse and Alcoholism
National Institute on Deafness and Other Communication Disorders
National Institute on Drug Abuse
National Institute on Minority Health and Health Disparities
National Institutes of Health
National Oceanic and Atmospheric Administration
National Renewable Energy Laboratory
National Security Agency
Naval Facilities Engineering Command Naval Health Research Center
Office of Naval Research
Sandia National Laboratories
Small Business Administration
Space and Naval Warfare Systems Command
U.S. Department of Commerce
U.S. Department of Defense
U.S. Department of Education
U.S. Department of Energy
U.S. Navy
United States Geological Survey
USDA Forest Service

**State & Local Governments**
California Breast Cancer Research Program
California Department of Alcohol and Drug Programs
California Department of Developmental Services
California Department of Education
California Department of Fish and Game
California Department of Justice
California Department of Parks and Recreation
California Department of Health Care Services
California Department of Public Health
California Department of Rehabilitation
California Department of Social Services
California DHHS Tobacco Control Program
California Institute for Regenerative Medicine
California Seismic Safety Commission
California Social Work Education Center
California Space Grant Consortium
California State Independent Living Council
City of San Diego
City of San Diego Office of Homeland Security
County of San Diego Office of Financial Planning
Imperial County
Imperial County Department of Social Services
San Diego County Alcohol and Drug Services
San Diego County Health and Human Services Agency
San Diego County/Imperial County Developmental Services Inc.
San Diego County Office of Education
San Diego County Parks and Recreation
San Diego Unified Port District

**Educational Institutions**
Aichi University
Arizona State University
California State University Office of the Chancellor
California State University San Francisco
California Western School of Law
Catholic University Catholica de Sacro Cuove
Chungbuk National University
City University of New York - Hunter College
Clark University
Creighton University
Emory University
European Business School
Gallaudet University
Gyeongsangbuk-Do University
Hankuk University
Imperial Valley College
Indiana University
Kimcheon Science College
Kyoto University
Kyung Hee University
Maricopa Community College District
Munich Business School
New York University School of Medicine
Ohio University
Oregon State University
Pusan National University
San Diego State University
Texas A & M University Research Foundation
Tulane University
University of Alabama Tuscaloosa
University of Arizona
University of California at Berkeley
University of California at Davis
University of California at Irvine
University of California at Los Angeles
University of California at San Diego
University of California at San Francisco
University of California at Santa Cruz

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**Awards by Sponsor Type (Fiscal Year 2010-2011)**
Total Awards = $145,180,658

- **Federal** $70,466,970
- **State & Local** $46,339,683
- **Foundations** $17,824,273
- **Corporations** $8,613,695
- **Other** $1,936,037

Federal: 49%
State & Local: 32%
Foundations: 6%
Corporations: 1%
University of California Office of the President
University of Georgia
University of Illinois
University of Maryland
University of Massachusetts at Dartmouth
University of Minnesota
University of Miyazaki
University of Oregon
University of Pisa Italy
University of Pittsburgh
University of Southern California
University of Texas El Paso
University of Texas Health Science Center at San Antonio
University of Texas San Antonio
University of Utah
University of Wisconsin-Madison
Virginia Polytechnic Institute and State University

School Districts/School Boards
Fallbrook Elementary School District
Houston Independent School District
Imperial County Office of Education
Lakeside Union School District
Normandy School District
Orange County Superintendent of Schools
Phoenix Elementary School District #1
Poway Unified School District
San Diego Unified School District
San Ysidro School District
Santa Ana Unified School District
Springdale School District
Sweetwater Union High School District
Seminole County Public Schools

Foundations
Akaloa Resource Foundation
Alliance Healthcare Foundation
American Academy of Family Physicians Foundation
American Cancer Society
American Heart Association
American Heart Association Western States Affiliate
American Legacy Foundation
American Speech-Language-Hearing Foundation
Andrus Foundation
Banco Bilbao Vizcaya Argentaria (BBVA) Foundation
Albert & Elaine Borchard Foundation Inc.
California Metabolic Research Foundation
Capita Foundation
Margaret A. Cargill Foundation
Carnegie Foundation for the Advancement of Teaching
College Access Foundation of California
Henry Ford Foundation
Herman Frasch Foundation
William and Flora Hewlett Foundation
James C. Irvine Foundation
Jewish Community Foundation San Diego
James Hervey Johnson Charitable Educational Trust
Robert Wood Johnson Foundation
JP Morgan Chase Foundation
Keck Foundation
Leichtag Family Foundation
Price Charities
Alfred P. Sloan Foundation
Edna Bailey Sussman Foundation
The San Diego Foundation
Uberoi Foundation for Religious Studies
Veterans Medical Research Foundation
WebMD Health Foundation

Corporations
Advanced BioHealing
AECOM Technology Corporation
BridgePoint Education
Computer Sciences Corporation
FM Global
General Atomics Corporation
ICD France
Kent BioEnergy Corporation
Kiran Analytics Inc.
Klein Buendel Inc.
L-3 Communications Corporation
La Jolla Beach & Tennis Club
Lucigen Corporation
Menon and Associates
Mitchell International
NextGen Aeronautics
NIC Japan
Opel Solutions
PURE Bioscience
Qualcomm Inc.
Richard Rojeck
San Diego Gas and Electric Company
Sapphire Energy
Science Applications International Corp.
Space Micro Inc.
Starkey Laboratories Inc.
TaylorMade Adidas Golf
Teamwork Athletic Apparel
TrellisWare Inc.
Weidlinger Associates

Other
Alliance for Regional Solutions
American Academy of Pediatrics
American Association of Teachers of Korean
American Red Cross
American Samoa Government Department of Education
American-Israeli Cooperative Enterprise
Archaeological Institute of America
Association for the Advancement of Sustainability in Higher Education
Association of American Indian Physicians
Association of Mathematics Teacher Educators
Association of Schools of Public Health
Barona Valley Ranch Resort and Casino
Beijing Hecate Center of Cultural Communication
California Endowment
California Tobacco Related Disease Research Program
Canadian Institute for Advanced Research
Casa Familiar
Centro de Estudios Cientificas
Commonwealth of the Northern Marianas Islands
The Child and Family Policy Institute of California
Consortia of Administrators for Native American Rehabilitation Inc.
Corporation for Public Broadcasting
Council of State Governments-West
CSU Sacramento University Enterprises, Inc.
Inger Davis
Disabled American Veterans Charitable Service Trust
Down Syndrome Association
East County Economic Development Council
Egg Nutrition Center
English and Company
ETRI Electronic and Telecommunications Research Institute
Excellencia in Education
Family Health Centers of San Diego
Flight Attendants Medical Research Institute
Groundwork San Diego-Chollas Creek
Guam Department of Vocational Rehabilitation
Hayashibara International
Hospital for Special Surgery
House Ear Institute
Imperial Valley Regional Occupational Program
Indian Health Council
The Institute of International Education
Kids Included Together San Diego Inc.
Language Learning
Little Italy Association
Marshfield Clinic
Media Arts Center San Diego
National Public Radio
The Nature Conservancy
The Nature Reserve of Orange County
North County Community Services
Ocean Foundation
Operation Samahan Inc.
Oregon Department of Human Services
Pacific Sociological Association
Palomar Pomerado Health
Pechanga Indian Reservation
Public Health Institute
Rady Children’s Hospital San Diego
RAND Corporation
Rees-Steele Research Foundation
Regional Task Force on the Homeless
San Diego Association of Governments
San Diego Bowl Game Association
San Diego Coast Keeper
San Diego Council on Literacy
San Diego National Wildlife Refuge Complex
San Diego Social Advocates for Youth
San Diego/Imperial Counties Developmental Services, Inc.
Scripps Research Institute
Sharp Healthcare
South Bay Community Services
South Carolina Research Authority
Space Telescope Science Institute
SPEC Associates
SRI International
State of Hawaii
San Diego Lesbian, Gay, Bisexual and Transgender Communication Centers
Union of Pan Asian Communities
Valley Mountain Regional Center
Wahupa Educational Services Inc.
World Anti-Doping
YMCA of San Diego County
Awards Received
July 1, 2010 through June 30, 2011

ACADEMIC AFFAIRS

Dr. Nancy Marlin, Provost
Mr. Timothy Allen
U.S. Department of Education: “GEAR UP to College Avenue,” $911,201 (see also Dr. Cynthia Park, Teacher Education)

Dr. Ethan Singer
Imperial Valley College: “Expanding Career Opportunities for Rural Hispanics: New 2+2 (Associate’s to Bachelor’s) Degree Programs in Imperial County, California,” $43,456 (see also Dr. David Pearson, Imperial Valley Campus)
• Price Charities: “City Heights Educational Collaborative,” $2,039,834; “City Heights Educational Collaborative Music Program/Hoover High School,” $14,523; “City Heights Educational Collaborative Music Program/Monroe Clark Middle School,” $9,600; San Diego State University: “City Heights Educational Collaborative-Staff Support,” $689,812

Dr. Ethan Singer and Mr. Timothy Allen

Anthropology

Dr. Seth Mallios
California Department of Parks and Recreation: “Geographic Information Systems Data Maintenance Between California Department of Parks and Recreation and SDSU Research Foundation,” $6,500; “South Coastal Information Center Services 2011,” $9,600; “City of San Diego: Geographic Information System Data Maintenance Between the City of San Diego and SDSU Research Foundation,” $13,200; County of San Diego Office of Financial Planning: “Geographic Information System Data Maintenance Between CalTrans and SDSU Research Foundation,” $27,500; Pechanga Indian Reservation: “Geographic Information System Data Maintenance Partnership Between the Pechanga Band of Luiseño Indians and SDSU Research Foundation,” $13,200; San Diego County Parks and Recreation: “Geographic Information System Data Maintenance Between the City of San Diego and SDSU Research Foundation,” $9,600

Dr. Dominique Rissolo
Archaeological Institute of America: “The Hoyo Negro Submerged Paleoenvironment Project, Quintana Roo, Mexico,” $3,000

Economics

Dr. Catalina Amuedo-Dorantes
Banco Bilbao Vizcaya Argentaria (BBVA) Foundation: “Remittance Volatility and Household Asset Accumulation in Mexico,” $10,941

Geography

Dr. Molly Costello
AECOM Technology Corporation: “Bouquet Canyon Road Project,” $3,580

COLLEGE OF ARTS & LETTERS

Dr. Paul Wong, Dean
Office of the Dean

Dr. Elsie Begler
University of California, Office of the President: “International Studies Education Project of San Diego,” $26,060; “NCLB Year 7 - California International Studies Project -California Subject Matter Project Site for Region 9,” $39,774

Dr. Mary Ann Lyman-Hager

Dr. Mary Ann Lyman-Hager and Dr. Paul Wong
U.S. Department of Education: “Language Acquisition Resource Center,” $325,000

Dr. Kathleen Farley
National Science Foundation: “Collaborative Research: The Effects of Land-use Change on the Production of Ecosystem Services on Pano Dam Grasslands,” $36,512

Dr. Thomas Herman
Little Italy Association: “Little Italy Community History Project,” $40,000; Sweetwater Union High School District: “Evaluation of High School After School Programs for Sweetwater Union High School District,” $7,500

Dr. Thomas Herman and Dr. Doreen Mattingly
South Bay Community Services: “South Region Evaluation: First 5 - Healthy Development Services for Children,” $96,000

Dr. Andre Skupin

Dr. Douglas Stow
University of Arizona: “Situational Awareness and Decision Support for Controlling Cross-border Smuggling,” $72,331 (see also Dr. Murray Jennex, Information and Decision Systems) USDA Forest Service: “ARRA: Estimation of Regional Fuel Development and Condition in Wild Lands of Southern California,” $84,385

Dr. Ming-Hsiang Tsou
East County Economic Development Council: “Connectory GIS Improvement,” $15,000

• National Science Foundation: “CDI-Type II: Mapping Cyberspace to Realspace: Visualizing and Understanding the Spatiotemporal Dynamics of Global Diffusion of Ideas and the Semantic Web,” $315,299 (see also Dr. Dipak Gupta, Political Science, Dr. Jean Mark Gawron, Linguistics and Asian/Middle Eastern Languages, and Dr. Brian Spitzberg, School of Communication) REU Supplement: Mapping Cyberspace to Realspace: Visualizing and Understanding the Spatiotemporal Dynamics of Global Diffusion of Ideas through the Semantic Web,” $23,125; Texas A&M University Research Foundation: “National Geospatial Technology Center Project,” $45,000; The San Diego Foundation: “GIS Mapping Project Serving Older Adults,” $28,000 (see also Dr. Maurizio Antoninetti, Public Affairs and Dr. Mario Garrett, Gerontology)

Drs. Li An, Ming-Hsiang Tsou, Dipak Gupta, Brian Spitzberg, and Jean Mark Gawron and students
Dr. John Weeks, Dr. Arthur Getis and Dr. Douglas Stow  
*National Institute of Child Health and Human Development:* “Health, Poverty and Place: Modeling Inequalities in Accra Using RS and GIS,” $654,447  

**Institute for Regional Studies of the Californias**  
Dr. Paul Ganster  
*Council of State Governments-West:* “Border Stakeholders Forum; Three Californias Initiative,” $7,000  
*University of Texas El Paso:* “Southwest Consortium for Environmental Research and Policy Year 20,” $189,999  

**Linguistics and Asian/Middle Eastern Languages**  
Dr. Sooja Choi  
*American Association of Teachers of Korean:* “KF-AATK Fellowship for Korean Studies Program,” $10,000  
Dr. Jean Mark Gawron  
*National Science Foundation:* “CDI-Type II: Mapping Cyberspace to Realspace: Visualizing and Understanding the Spatiotemporal Dynamics of Global Diffusion of Ideas and the Semantic Web,” $315,299  
(see also Dr. Dipak Gupta, Political Science, Dr. Brian Spitzberg, School of Communication, and Dr. Ming-Hsiang Tsou, Geography)  

**Political Science**  
Dr. Lei Guang and Dr. Kathryn Edgerton-Tarpley  
*U.S. Department of Education:* “Integrating and Enhancing Chinese Studies and Language at SDSU,” $89,605  
Dr. Dipak Gupta  
*National Science Foundation:* “CDI-Type II: Mapping Cyberspace to Realspace: Visualizing and Understanding the Spatiotemporal Dynamics of Global Diffusion of Ideas and the Semantic Web,” $315,299  
(see also Dr. Jean Mark Gawron, Linguistics and Asian/Middle Eastern Languages, and Dr. Brian Spitzberg, School of Communication), Dr. Ming-Hsiang Tsou, Geography  
Dr. Richard Hofstetter  
*National Institute on Alcohol Abuse and Alcoholism:* “ARRA: Understanding Networking and Alcohol Consumption Among Recent Immigrants,” $499,689  
(see also Dr. Melbourne Altemus, Alcohol Consumption Among Recent Immigrants)  

**Religious Studies**  
Dr. Risa Levitt Kohn  
*American-Israeli Cooperative Enterprise:* “2011-2012 Visiting Israeli Professor Dr. Oren Meyers,” $60,000  
Dr. Risa Levitt Kohn and Dr. Rebecca Moore  
Dr. Rebecca Moore  
*Leichtag Family Foundation:* “First Annual Symposium on Moral Courage,” $15,000  
Dr. Sthaneshwar Timalisina  
*U.S. Department of Education:* “Visiting Scholar Funds - Ju Seong Kim,” $12,000  

**Sociology**  
Dr. Brian Finch  
*National Center on Minority Health and Health Disparities:* “A Social Demography of Racial Health Disparities,” $333,981  
Dr. Charles Hohn  
*Pacific Sociological Association:* “Pacific Sociological Association Support,” $17,000  
Dr. Sheldon Zhang  
*California Department of Alcohol and Drug Programs:* “A Descriptive Analysis of California DUI Programs,” $192,000  
*University of California at Los Angeles:* “A Randomized Controlled Trial of the Second Chance Program for Ex-inmates,” $67,401; Evaluation of the Pre-parole Process (P3) Benefits Program,” $48,318  
*University of California at San Diego:* “Testing a Comorbid PTSD and Substance/Alcohol Use Intervention in Delinquent Girls,” $23,489  

**Women’s Studies**  
Dr. Kathleen Jones  

**COLLEGE OF BUSINESS ADMINISTRATION**  
Dr. Michael Cunningham, Dean  
*Office of the Dean*  
Dr. Teresa Cisneros-Donahue  

**Information and Decision Systems**  
Dr. Murray Jennex  
*University of Arizona:* “Situational Awareness and Decision Support for Controlling Cross-border Smuggling,” $72,331  
(see also Dr. Douglas Stow, Geography)  
Dr. Bongsik Shin  
*Electronic and Telecommunications Research Institute:* “Visiting Scholar Funds - Ju Seong Kim,” $12,000  

**Management**  
Dr. Alex DeNoble  
*Space and Naval Warfare Systems Command:* “Center for Commercialization of Advanced Technology,” $5,370,300  
(see also Dr. Sanford Ehrlich, Management)  
Dr. Sanford Ehrlich  
*Small Business Administration:* “Advanced Defense Technologies Clusters,” $599,978  
*Space and Naval Warfare Systems Command:* “Center for Commercialization of Advanced Technology,” $5,370,300  
(see also Dr. Alex DeNoble, Management)  

**Marketing**  
Dr. Donald Sciglimpaglia  
*City of San Diego:* “Technical Services and Consulting Program for San Diego Minority, Women-owned and Other Small Businesses,” $18,800  

**COLLEGE OF EDUCATION**  
Dr. Ric Hovda, Dean  
*Office of the Dean*  
Dr. Ric Hovda  
*Santa Ana Unified School District:* “Leadership Development Training,” $5,000  

**Administration, Rehabilitation and Postsecondary Education**  
Dr. Bobbie Atkins  
Dr. Charles Degeneffe  
*U.S. Department of Education:* “Job Development and Job Placement Services to Individuals With Disabilities: Specialization in
the Employment of Persons With Cognitive Disabilities,” $99,997

Dr. Nan Hampton
U.S. Department of Education: “Rehabilitation Counseling for Consumers With Disabilities,” $150,000

Dr. Frank Harris and Dr. Steven Spencer
American Samoa Government Department of Education: “ARRA: American Samoa Department of Education - Concentration in Postsecondary Education Leadership and Specialized Courses in Curriculum and Instruction MA,” $428,400

Dr. Fred McFarlane
Consortia of Administrators for Native American Rehabilitation, Inc.: “Tribal Vocational Rehabilitation Circle,” $26,743; “Tribal Vocational Rehabilitation Circle-Supplement,” $34,889

Dr. Marjorie Olney
U.S. Department of Education: “Operation of a Regional Needs Assessment,” $100,000; “Mental Health Services Act (MHSA): Mental Health Services Act 2010-2011 Strategic Planning for Commonwealth of the Northern Marianas Islands Office of Vocational Rehabilitation (CNMI OVR),” $9,995

Dr. Fred McFarlane and Dr. Steven Spencer
University of Oregon: “Operation of a Regional Resource Center - Region 6,” $10,044

Dr. Fred McFarlane and Mr. Tom Turner

Dr. Marjorie Olney
U.S. Department of Education: “Rehabilitation Counseling Program, Specialization in Psychiatric Rehabilitation,” $100,000; “San Diego County Health and Human Services Agency: Mental Health Services Act (MHSA): Workforce Education and Training (WET),” $50,000

Dr. Caren Sax

Dr. Caren Sax and Dr. Thomas Siegfried

Dr. Caren Sax and Dr. Steven Spencer
American Samoa Government Department of Education: “American Samoa Department of Education- Concentration in Postsecondary Education Leadership and Specialized Courses in Public Administration and Human Resources Department,” $382,500; “American Samoa Department of Education - Interdisciplinary Studies Bachelor of Arts Degree With an Emphasis in Criminal Justice,” $662,500

Child and Family Development
Dr. Audrey Hokoda
Union of Pan Asian Communities: “HEART: Helping to Empower Authentic Relationships for Teens,” $31,160

Dr. Shulamit Ritblatt

Dr. Shulamit Ritblatt and Ms. Jeana Preston
Normandy School District: “Developing Achievement-focused Partnerships,” $47,500

Counseling and School Psychology
Dr. Valerie Cook-Morales
U.S. Department of Education: “San Diego County Bilingual School Psychology Consortium,” $300,000; “Training Personnel to Provide Related Services to Children, Including Infants and Toddlers, With Disabilities: Trans-disciplinary Approaches to Autism Spectrum Disorders (TAAASD),” $297,726 (see also Dr. Vera Gutierrez-Clellen, School of Speech Language and Hearing Sciences)

Dr. Colette Ingraham, Dr. Audrey Hokoda and Dr. Gerald Monk
California Endowment: “Wellness and Restorative Practices Partnership,” $342,798

Dr. Gerald Monk
San Diego County Health and Human Services Agency: “Linguistically, Ethnically, and Diverse (Lead) Interns Training in Marriage and Family Therapy,” $69,999

Dr. Carol Robinson-Zanartu
U.S. Department of Education: “Native American Student Success Collaborative Project,” $200,000; “The SDSU Native American Collaborative Project: A Multidisciplinary University-school Collaboration for Culturally Competent Related Services Preparation in a Minority Institution,” $300,000

Dr. Brent Taylor
Price Charities: “Price Charities Counseling Program,” $100,000

Educational Leadership
Dr. Joseph Johnson
Phoenix Advancing Principal Leadership in Urban Schools (Phoenix A-PLUS), $84,000; “Phoenix Second Cohort Advancing Principal Leadership in Urban Schools (Phoenix 2 A-PLUS),” $40,000 • Seminole County Public Schools: “Advancing Principal Leadership in Urban Schools for Seminole Country Florida (APLUS Florida),” $108,000

Dr. Ian Pumplin and Dr. Caren Sax

Educational Technology
Dr. Brock Allen
Association for the Advancement of Sustainability in Higher Education: “Principles of Sustainability Education,” $30,000

Dr. Marcie Bober, Dr. Bernard Dodge and Dr. Christianna Alger
Qualcomm Inc.: “Mobile Learning: A Community Engagement Project,” $195,000

Policy Studies in Language and Cross-Cultural Education
Dr. Karen Cadiero-Kaplan

Dr. Alberto Ochoa
University of California, Office of the President: “San Diego Area International Language Network: State Funds,” $20,000; “San Diego Area International Language Network: NCLB 7,” $50,000 (see also Dr. Mary Ann Lyman-Hager, Dean’s Office, College of Arts and Letters)

Dr. Alberto Ochoa and Dr. Eugene Valles
U.S. Department of Education: “Professional Development for Pre-service Bilingual Special Education Teachers of English Learners: ALAS,” $295,436

Dr. Alberto Rodriguez
University of California at Santa Cruz: “Effective Science Teaching for English Language Learners: A Pre-service Teacher Professional Development Research Project Across Three Universities in California,” $205,917

Special Education
Dr. Jose Luis Alvarado
U.S. Department of Education: “Project DARE: Special Education Certification in Diverse and Rural Environments,” $200,000

Dr. Laura Hall

Drs. Laura Hall and Bonnie Kraemer with master’s student presenting a poster at the Conference of the Association for Behavior Analysis International

Dr. Bonnie Kraemer and Dr. Laura Hall
U.S. Department of Education: “Personnel Development to Improve Services and Results for Children With Disabilities,” $299,997

Dr. Jason Naranjo

Teacher Education
Dr. Nadine Bezuk
Association of Mathematics Teacher Educators: “Headquarters Support,” $24,000

Dr. Nancy Farnan
James C. Irvine Foundation: “Multiple Pathways,” $594,214

Dr. Douglas Fisher

Dr. Lisa Lamb

Dr. Lisa Lamb, Dr. Randolph Philipp and Dr. Jessica Pierson
National Science Foundation: “Examining the Effects of a Technology-rich Environment on Students’ Understanding of Integers,” $589,332

Dr. Cheryl Mason
University of Alabama Tuscaloosa: “Undergraduate Science Course Reform Serving Pre-service Teachers: Evaluation of a Faculty Professional Development Model,” $80,954

Dr. Cynthia Park

Dr. Rafaela Santa-Cruz
San Diego State University: “San Diego Mathematics Project,” $2,800 • University of California at San Diego: “SDMP Professional Development Institute Project,” $20,000 • University of California, Office of the President: “CSMP/San Diego Mathematics Project,” $20,000; “NCLB/San Diego Mathematics Project,” $25,000 (see also Dr. John Elwin, Mathematics and Statistics)

COLLEGE OF ENGINEERING
Dr. David Hayhurst, Dean
Office of the Dean
Dr. David Hayhurst
National Science Foundation: “SERVICE (Success in Engineering for Recent Veterans through Internship and Career Experience),” $200,000 • University of California Office of the President: “Math, Engineering, Science Achievement (MESA),” $219,000 • MESA MSP Programs / Imperial Valley Site,” $200,000

Dr. David Hayhurst and Ms. Theresa Garcia
National Science Foundation: “STEP Partnership of San Diego,” $231,278 • University of California Office of the President: “MESA MEP,” $17,500

Dr. Lisa Lamb, Dr. Randolph Philipp and Dr. Jessica Pierson
National Science Foundation: “Examining the Effects of a Technology-rich Environment on Students’ Understanding of Integers,” $589,332

Dr. Cheryl Mason
University of Alabama Tuscaloosa: “Undergraduate Science Course Reform Serving Pre-service Teachers: Evaluation of a Faculty Professional Development Model,” $80,954

Dr. Cynthia Park

Dr. Rafaela Santa-Cruz
San Diego State University: “San Diego Mathematics Project,” $2,800 • University of California at San Diego: “SDMP Professional Development Institute Project,” $20,000 • University of California, Office of the President: “CSMP/San Diego Mathematics Project,” $20,000; “NCLB/San Diego Mathematics Project,” $25,000 (see also Dr. John Elwin, Mathematics and Statistics)
Aerospace Engineering and Engineering Mechanics

Dr. Gustaaf Jacobs

Dr. Mauro Pierucci
University of Pisa Italy: “University of Pisa Italy Students at San Diego State University,” $26,262

Civil, Construction and Environmental Engineering

Dr. R. Edward Beighley

Dr. Robert Dowell
University of California at San Diego: “Simulation and Testing to Support Seismic Design of Anchorage,” $34,950

Dr. Temesgen Garoma
The San Diego Foundation: “Significance of Sub-therapeutic Levels of Ciprofloxacin in the Environment,” $17,818

Dr. Kenneth Walsh

Electrical and Computer Engineering

Dr. Sunil Kumar
Air Force Research Laboratory: “Multimedia-based Integration of Cross-layer Techniques,” $100,000 • TrellisWare Inc.: “Cognitive Cross-layer Protocols for Multi-Hop Transmission,” $28,800

Dr. Gordon Lee
Space and Naval Warfare Systems Command: “Theoretical Analysis, Explanatory Studies and Technical Services,” $582,105 (see also Dr. Eric Frost, Dean’s Office, College of Sciences)

Dr. Yusuf Ozturk
Kiran Analytics, Inc.: “Modeling and Simulation of Tourist Visitation and Routing Plans,” $20,022

Dr. Satish Sharma

Dr. Lal Tummala and Dr. Sridhar Seshagiri
University of Minnesota: “ARRA: A Nationwide Consortium of Universities to Revitalize Electric Power Engineering Education by State-of-the-Art Laboratories,” $8,333

Mechanical Engineering

Dr. Asfaw Beyene
University of California at Berkeley: “Pacific Region Clean Energy Application Center,” $30,000 • U.S. Department of Energy: “Industrial Assessment Centers,” $40,000

Dr. Randall German and Dr. Eugene Olevsky
National Aeronautics and Space Administration: “Multi-scale Modeling and Experimentation on Liquid Phase Sintering in Gravity and Microgravity Environments,” $450,000

Dr. Fletcher Miller
Sandia National Laboratories: “Sandia Solar Thermal Storage Budget,” $54,016

Dr. Kee Moon
Kyung Hee University: “Program for Visiting Students from Kyung Hee University: 2011 Winter School at San Diego State University,” $74,400

Dr. Khaled Morsi, Dr. Samuel Kassegne and Dr. Kee Moon
National Science Foundation: “Novel Current-activated Tip-based Sintering - REU Supplement,” $6,000

Dr. Eugene Olevsky

COLLEGE OF EXTENDED STUDIES

Dr. Joseph Shapiro, Dean

Office of the Dean

Dr. Joseph Shapiro

American Language Institute

Dr. William Price and Ms. Jan Wahl
Institute of International Education: “Fulbright Summer Pre-academic Program,” $275,166

COLLEGE OF HEALTH & HUMAN SERVICES

Dr. Marilyn Newhoff, Dean

Office of the Dean

Dr. John Landsverk
Adolescent Services Research Center-Staff Support," $233,202 • University of California at San Diego: “System of Care Evaluation (SOCE), Mental Health Services Act (MHSAA) Funding,” $61,196; “System of Care Evaluation (SOCE), Non-MHSAA Funding,” $21,310

Exercise and Nutritional Sciences

Dr. Donna Beshgetoo
California Department of Public Health:
“Women, Infants and Children Supplemental Nutrition Program,” $78,718 (see also Dr. PJE Quintana, Graduate School of Public Health)

Dr. Michael Buono
DOD Fleet and Industrial Supply Center: “The Physiological Responses to Exercise During a Combined Heat and Altitude Environment,” $94,516 • Naval Health Research Center: “Intergovernmental Personnel Act,” $101,524

Dr. Janet Harris and Dr. Fred Kolko
James Hervey Johnson Charitable Educational Trust: “Pathways to Health,” $8,102

Dr. Mee Young Hong
California Department of Public Health:
“Women, Infants and Children Supplemental Nutrition Program,” $7,815,480 (see also Dr. Melbourne Hovell, Graduate School of Public Health and Dr. Jeanne Nichols-Bernhard, Exercise and Nutritional Sciences)

Dr. Mark Kern
Egg Nutrition Center: “The Effects of Consuming an Egg-based Breakfast Combined With a Resistance Exercise Program on Body Composition and Serum Cholesterol Levels,” $75,130 • Hayashibara International: “Metabolic Responses to Ingestion of Pullulan by Elucidating the Tolerance, and Glycemic and Insulinemic Indices,” $20,369

Dr. Simon Marshall
Centers for Disease Control and Prevention: “A Translation Study of the Academia Da Cidade Program (ACP),” $449,569 (see also Dr. John Elder, Graduate School of Public Health) • University of California at San Diego: “A Text Message Intervention for Weight Loss-mDiet,” $48,435; “Multilevel Intervention for Physical Activity in Retirement Communities,” $63,043 (see also Dr. James Salis, Psychology)

Dr. Jeanne Nichols-Bernhard
California Department of Public Health: “Women, Infants and Children Supplemental Nutrition Program,” $7,815,480 (see also Dr. Mee Young Hong, Exercise and Nutritional Sciences and Dr. Melbourne Hovell, Graduate School of Public Health) • University of California at Davis: “Influence of Energy and Calcium Availability on Bone Turnover in Young Runners,” $6,600

Gerontology

Dr. Mario Garrett
The San Diego Foundation: “GIS Mapping Project Serving Older Adults,” $28,000 (see also Dr. Maurizio Antoninetti, Public Affairs and Dr. Ming-Hsiang Tsou, Geography)

Graduate School of Public Health

Dr. Wael Al-Delaimy
Flight Attendants Medical Research Institute: “Hair and Toenail Nicotine as Biomarkers of Actual Population Exposure to Tobacco,” $108,500

Dr. Elva Arredondo
National Cancer Institute: “Promoting Physical Activity in Churchgoing Latinas,” $583,865; “Promoting Physical Activity in Churchgoing Latinas: Diversity Supplement for N. Espinoza,” $90,395 • University of California at San Diego: “Planned Care for Obesity and Risk Reduction (Planned CORR),” $14,965

Dr. Guadalupe X. Ayala
National Cancer Institute: “El Valor de Nuestra Salud,” $566,381 • University of California at San Diego: “Working With Restaurants to Support Neighborhood Obesity Prevention,” $40,000

Dr. Guadalupe X. Ayala and Dr. John Elder
American Academy of Family Physicians Foundation: “Alliance to Control Diabetes,” $319,171

Dr. Stephanie Brodine
Indian Health Council: “Native American Research Center for Health - Core,” $8,700; “Native American Research Center for Health - Student,” $79,957 • University of California at San Diego: “UCSD School of Medicine Hispanic Centers of Excellence,” $9,222

Dr. John Elder
California Endowment: “San Diego Prevention Research Center Binational Health Week Conference,” $5,000 • Casa Familiar: “Pedestrian Border Element Project,” $2,000 • Centers for Disease Control and Prevention: “A Translation Study of the Academia da Cidade Program (ACP),” $449,569 (see also Dr. Simon Marshall, Exercise and Nutritional Sciences) • RAND Corporation: “Away from Home and Out of School: Adolescent PA and BMI Changes that Occur With Driving and Eating Out,” $119,107

Dr. John Elder and Dr. Elva Arredondo
Centers for Disease Control and Prevention: “Obesity and Control in the Latino Community,” $350,000

Dr. John Elder and Dr. Guadalupe X. Ayala
Centers for Disease Control and Prevention: “Obesity Prevention and Control in the Latino Community,” $790,000

Dr. John Elder and Dr. Gregory Talavera

Grants and Contract Awards

Dr. Karen Ferran
California Department of Public Health: “EWIDS (Early Warning Infectious Disease Surveillance),” $1,104,036

Dr. Richard Gersberg
San Diego Coast Keeper: “San Diego Watershed Ambient Water Quality: Levels of Dissolved Heavy Metals,” $60,000 • San Diego Unified Port District: “San Diego Bay Terrain Model,” $96,528

Dr. Susan Hedges
Palomar Pomerado Health: “North Island Healthy Development Services Evaluation 2010-2011,” $70,085

Dr. Melbourne Hovell
California Department of Public Health:
“Women, Infants and Children Supplemental Nutrition Program,” $7,815,480 (see also Dr. Jeanne Nichols-Bernhard and Dr. Mee Young Hong, Exercise and Nutritional Sciences) • National Cancer Institute: “Clinician Promotion of Healthy Diet and Activity to Reduce Obesity Among Adolescents,” $202,729; “Clinician Promotion of Healthy Diet and Activity to Reduce Obesity Among Adolescents - Undergraduate Supplement for L. Marquez,” $53,592 • National Institute on Alcohol Abuse and Alcoholism: “ARRA: Understanding Networking and Alcohol Consumption Among Recent Immigrants,” $499,689 (see also Dr. Richard Hofstetter, Political Science)

Dr. John Elder and Greg Talavera with participants in the Mentoring Researchers in Latino Health Disparities Program

WIC Program receives Best Practices awards at annual conference. From left: D. Greenway, National WIC Association; M. Van Eyken, CDPH WIC Division; N. Tayag-Cruz and K. Phifier, SDSU WIC Program (Dr. M. Hovell)
GRANT AND CONTRACT AWARDS


Dr. Suzanne Hughes
Flight Attendants Medical Research Institute: “Congregations for Smoke-free Air,” $108,500

Dr. Nada Kassem

Dr. Paul Kurtin

Dr. Lisa Kwizera-Asmus

Dr. Lisa Kwizera

Dr. Amy Pan

Dr. Amy Pan and Dr. Lisa Kwizera-Asmus
Family Health Centers of San Diego: “Health STEPS Project 2010-2011,” $9,000

Dr. David Lawrence
California Department of Public Health: “EPIC Symposia Planning,” $114,448 • Marshfield Clinic: “Prevention of Childhood Agricultural Injuries,” $7,800

Dr. Suzanne Lindsay
California Department of Public Health: “Continuous Quality Assurance Program,” $1,255,500 • Data Navigator Project (Project I) and Client Directed Incentives (Project II),” $591,210 • Data Navigator Project III, $576,881 • Professional Education and Training,” $1,255,560 • Family Health Centers of San Diego: “In the Mix-Family Health Centers,” $20,000 • Operation Samahan Inc.: “API Health Network 10/11 (San Diego Asian/Pacific Islander Community Health Network 2010-2011),” $10,000 • Regional Task Force on the Homeless: “Regional Task Force on the Homeless Data Management Improvement Project 10-11,” $89,000 • San Diego State University: “ARRA: Communities Putting Prevention to Work: Obesity Prevention Focus - Evaluation,” $1,121,929 • UCSD Modeling Bystander Intervention - Evaluating the Effectiveness of Rape Prevention Strategies for First Year College Students,” $47,700

Ms. Violet Macias-Reynolds and Dr. Richard Gersberg
California Department of Public Health: “Emergency Preparedness Program Communication Services,” $14,972

Dr. Hala Madanat
Public Health Institute: “The Development of a Valid and Reliable Measure of Self-Efficiency to Consume Fruits and Vegetables in a Sample of Low-income Californians,” $26,139

Dr. Thomas Novotny

Dr. Amy Pan

Dr. Amy Pan and Dr. Lisa Kwizera-Asmus
Family Health Centers of San Diego: “Health STEPS Project 2010-2011,” $9,000
Dr. PJE Quintana  
California Department of Public Health:  
“Women, Infants and Children Supplemental Nutrition Program,” $78,718 (see also Dr. Donna Beshgetoor, Exercise and Nutritional Sciences)

Dr. Stergios Tsai Roussos  
California Breast Cancer Research Program:  
“Increasing Mammography for Latinas With Diabetes,” $88,060

Dr. Robert Seidman  
Health Resources and Services Administration:  
“California-Nevada Public Health Training Center,” $647,875 • University of California at San Diego: “ARRA: The San Diego Beacon Community Collaborative,” $143,656

Dr. Diana Simmes  
University of California at San Diego: “Fetal Alcohol Syndrome,” $32,221

Dr. Gregory Talavera  
National Heart, Lung, and Blood Institute:  

Dr. Gregory Talavera and Dr. John Elder  
National Heart, Lung, and Blood Institute: “San Diego Hispanic Community Health Study Partnership,” $1,965,519

School of Nursing  
Dr. Jaynelle Stichler  
Sharp Healthcare: “Enhancing Research and Professional Practice at Sharp Memorial Hospital,” $68,324

School of Social Work  
Dr. John Clapp  

Dr. Michael Eichler  

Dr. Michael Eichler and Dr. Jessica Robinson  
Andrus Foundation: “Transitions Framework Coaching,” $82,000

Dr. Anita Harbert  

Dr. Thomas Reilly  

Dr. Audrey Shillington  
San Diego County Alcohol and Drug Services: “College Underage Drinking Prevention Program,” $82,000

Dr. Susan Woodruff  
Robert Wood Johnson Foundation: “Evaluation of Youth Engagement and Action For Health (eYEAH!),” $191,784

Dr. Susan Woodruff and Dr. John Clapp  
National Institute on Drug Abuse: “ARRA: Screening and Brief Intervention for Latino and Non-Latino White Drug Users,” $486,625

School of Speech, Language and Hearing Sciences  
Dr. Katina Blumenfeld  
American Speech-Language-Hearing Foundation: “Lexical Activation and Inhibition in Monolingual and Bilingual Asphasia,” $5,000

Dr. Arthur Boothroyd  
Starkey Laboratories Inc: “The Effects of Computer-based Auditory Training on Speech Perception,” $1,000

Dr. Karen Emmorey  

Dr. Julia Evans  

Dr. Vera Gutierrez-Clellen  
U.S. Department of Education: “Training Personnel to Provide Related Services to Children, Including Infants and Toddlers, With Disabilities: Transdisciplinary Approaches to Autism Spectrum Disorders (TAASD),” $297,726 (see also Dr. Valerie Cook-Morales, Counseling and School Psychology)

Dr. Tracy Love  

Dr. Tracy Love and Dr. Lewis Shapiro  
National Institute on Deafness and Other Communication Disorders: “The Temporal Characteristics of Brain-language Relationships: Evidence from Impaired Populations,” $699,005

Dr. Ignatius Nip and Dr. Katina Blumenfeld  
Language Learning: “Cognitive and Linguistic Influences on Speech Motor Control of L2 in Adult Language Learners,” $9,883

Dr. Sonja Pruitt-Lord  
Price Charities: “City Heights Educational Collaborative - Pilot Project for Preschool Intervention at Rosa Parks Elementary School,” $45,000

Dr. Lewis Shapiro  
National Institute on Deafness and Other Communication Disorders: “Neurocognitive Approaches to Communication Disorders,” $217,688; “Sentence Processing in Normal and Aphasic Populations,” $310,423; “Sentence Processing in Normal and Aphasic Populations Research Supplement to Promote Diversity in Health-related Research,” $58,146

Dr. Carren Stika  
Dr. Peter Torre
Capita Foundation: “The Effects of Personal Music System Use on Distortion Product OtoAcoustic Emmissions,” $5,000 • Tulane University: “Pediatric HIV/AIDS Cohort Study,” $11,009

Dr. Beverly Wulfec
University of California at San Diego: “Neuro-development Studies of Language and Literacy- Project 4,” $101,804 (see also Dr. Judy Reilly and Dr. Pamela Moses, Psychology)

Dr. Imre Tuba
University of California at Los Angeles: “Strive to be the Best: Supporting Teacher Retention for Imperial Valley Educators (STRIVE),” $24,000

Dr. Gregorio Ponce
Imperial Valley Empowerment Training Program in English Skills Training, $10,098; “Imperial Valley Empowerment Training Program,” $93,750 • Imperial County Department of Social Services CalWORKs

Dr. Richard Rojeck
Opel Solutions: “Content Exchange System,” $6,757 • Richard Rojeck: “Online FIScore,” $8,000

Dr. Joseph Castillo
University of California at Davis: “Dengue Prevention Consortium,” $2,280,461 • University of California, Office of the President: “Embedded Boundary Methods Projects,” $44,880

Dr. Eric Frost
American Red Cross: “Technology and Humanitarian Assistance for Disaster Response,” $120,000 • California Seismic Safety Commission: “Education and Outreach Web Site Development for the California Seismic Safety Commission,” $15,000

Dr. Peter Andersen
National Cancer Institute: “Comprehensive Sun Protection in Recreation: An Advanced Go Sun Smart Program,” $574,433

Dr. Wayne Beach
Klein Buendel, Inc.: “Conversations About Cancer: A Theatrical Production,” $214,015

Dr. Brian Spitzberg
National Science Foundation: “CDI-Type II: Mapping Cyberspace to Realspace: Visualizing and Understanding the Spatiotemporal Dynamics of Global Diffusion of Ideas and the Semantic Web,” $315,299 (see also Dr. Ming-Hsiang Tsou, Geography, Dr. Dipak Gupta, Political Science, and Dr. Jean Mark Gawron, Linguistics and Asian/Middle Eastern Languages)

Dr. Jose Castillo
Weidlinger Associates: “PZFlex Lab: Graphics Boundary Methods Projects,” $44,880

Dr. Joseph Castillo and Dr. German Larrazabal
Weidlinger Associates: “PZFlex Lab: Graphics Boundary Methods Projects,” $44,880

Dr. Maurizio Antoninetti
The San Diego Foundation: “GIS Mapping Project Serving Older Adults,” $28,000 (see also Dr. Ming-Hsiang Tsou, Geography and Dr. Mario Garrett, Gerontology)

Mr. Carlos Bazan
Opel Solutions: “Content Exchange System,” $6,757 • Richard Rojeck: “Online FIScore,” $8,000

Dr. Thomas Carey

Dr. Joseph Castillo
National Institute of General Medical Sciences: “Minority Access to Research Careers (MARC),” $442,509

Dr. Eric Frost
University of California, Office of the President: “Embedded Boundary Methods Projects,” $44,880

Dr. Joseph Castillo and Dr. Paul Polinii
National Institute of General Medical Sciences: “Bridges to the Baccalaureate,” $188,361

Dr. Joseph Castillo
National Aeronautics and Space Administration: “Management of Ocean Color Validation Data Bases,” $142,820

Dr. Giulieta Fargion
National Aeronautics and Space Administration: “Management of Ocean Color Validation Data Bases,” $142,820

Dr. Eric Frost
American Red Cross: “Technology and Humanitarian Assistance for Disaster Response,” $120,000 • California Seismic Safety Commission: “Education and Outreach Web Site Development for the California Seismic Safety Commission,” $15,000

With Concerts and Music Classes: Heart-power Performances at Veterans Village San Diego,” $15,000

Dr. David Pearson, Dean
Imperial Valley Regional Occupational Program: “Evaluation of Project Juntos,” $7,500

Dr. Elizabeth Cordero
Imperial Valley Regional Occupational Program: “Evaluation of Project Juntos,” $7,500

Dr. Suzanna Fuentes-Ferreiro

Dr. David Pearson
Imperial Valley College: “Expanding Career Opportunities for Rural Hispanics: New 2+2 (Associate’s to Bachelor’s) Degree Programs in Imperial County, California,” $43,456 (see also Dr. Ethan Singer, Academic Affairs)

Dr. Gregorio Ponce
Imperial Valley Office of Education: “IVMP-Migrant Education Program 2011 Summer Academy,” $126,142 • University of California, Office of the President: “R9BMP- Imperial Valley Mathematics Project NCLB 7,” $25,000; “Imperial Valley Mathematics Project California Subject Matter Projects (CSMP) State Funds,” $20,000

Ms. Donna Conaty
Orange County Superintendent of Schools: “Southern Counties Arts Project- Arts Advantage Program for the Visual and Performing Arts for Instructional Services Program,” $22,112 • University of California, Office of the President: “Southern Counties Arts Project NCLB 7,” $80,000

Ms. Donna Conaty and Ms. Helena Hanna
University of California Office of the President: “Southern Counties Arts Project - State Funds,” $38,000

Dr. Marian Liebowitz
Disabled American Veterans Charitable Service Trust: “Enhancing the Treatment of TBI, PTSD, and Addictions in the Veteran Population

Dr. Carl Winston
San Diego Bowl Game Association: “Holiday Bowl Economic Impact,” $27,000

School of Music and Dance
Ms. Donna Conaty
Orange County Superintendent of Schools: “Southern Counties Arts Project- Arts Advantage Program for the Visual and Performing Arts for Instructional Services Program,” $22,112 • University of California, Office of the President: “Southern Counties Arts Project NCLB 7,” $80,000

Ms. Donna Conaty and Ms. Helena Hanna
University of California Office of the President: “Southern Counties Arts Project - State Funds,” $38,000

Dr. Marian Liebowitz
Disabled American Veterans Charitable Service Trust: “Enhancing the Treatment of TBI, PTSD, and Addictions in the Veteran Population

Hospitality and Tourism Management
Dr. Carl Winston
San Diego Bowl Game Association: “Holiday Bowl Economic Impact,” $27,000

Dr. Wayne Beach
Klein Buendel, Inc.: “Conversations About Cancer: A Theatrical Production,” $214,015

Dr. Brian Spitzberg
National Science Foundation: “CDI-Type II: Mapping Cyberspace to Realspace: Visualizing and Understanding the Spatiotemporal Dynamics of Global Diffusion of Ideas and the Semantic Web,” $315,299 (see also Dr. Ming-Hsiang Tsou, Geography, Dr. Dipak Gupta, Political Science, and Dr. Jean Mark Gawron, Linguistics and Asian/Middle Eastern Languages)

College of Sciences
Dr. Stanley Maloy, Dean

Office of the Dean
Dr. Catherine Atkins and Dr. Stanley Maloy
National Institute of General Medical Sciences: “Minority Access to Research Careers (MARC),” $442,509

The San Diego Foundation: “GIS Mapping Project Serving Older Adults,” $28,000 (see also Dr. Ming-Hsiang Tsou, Geography and Dr. Mario Garrett, Gerontology)

Mr. Carlos Bazan
Opel Solutions: “Content Exchange System,” $6,757 • Richard Rojeck: “Online FIScore,” $8,000

Dr. Thomas Carey

Dr. Joseph Castillo
National Institute of General Medical Sciences: “Minority Access to Research Careers (MARC),” $442,509

Dr. Joseph Castillo
Weidlinger Associates: “PZFlex Lab: Graphics Boundary Methods Projects,” $44,880

Dr. Joseph Castillo and Dr. German Larrazabal
Weidlinger Associates: “PZFlex Lab: Graphics Boundary Methods Projects,” $44,880

Dr. Joseph Castillo
National Institute of General Medical Sciences: “Bridges to the Baccalaureate,” $188,361

Dr. Giulieta Fargion
National Aeronautics and Space Administration: “Management of Ocean Color Validation Data Bases,” $142,820

Dr. Eric Frost
American Red Cross: “Technology and Humanitarian Assistance for Disaster Response,” $120,000 • California Seismic Safety Commission: “Education and Outreach Web Site Development for the California Seismic Safety Commission,” $15,000

School Public Affairs
Dr. Maurizio Antoninetti
The San Diego Foundation: “GIS Mapping Project Serving Older Adults,” $28,000 (see also Dr. Ming-Hsiang Tsou, Geography and Dr. Mario Garrett, Gerontology)

A scene from the theatrical production “Conversations About Cancer” (Dr. W. Beach)
• Space and Naval Warfare Systems Command: “Theoretical Analysis, Explanatory Studies and Technical Services,” $582,105 (see also Dr. Gordon Lee, Electrical and Computer Engineering)

Dr. John Kim
Oregon State University: “Enhancing Dynamic General Vegetation Models (DGVM) Insect Infestation and Disease,” $82,303

Dr. Stanley Maloy

Dr. Matthew Rahn
Edna Bailey Sussman Foundation: “Sussman Environmental Summer Support,” $9,880

Dr. Faramarz Valafar
University of California at San Diego: “National Center for Biomedical Computing: Algorithms and Tools for Data Anonymization, Analysis and Sharing (DASH),” $74,750

Dr. Faramarz Valafar and Dr. Richard Levine
National Science Foundation: “Biomedical Statistical Informatics Track,” $214,593

Mr. Robert Welty
City of San Diego Office of Homeland Security: “Unified Disaster Council,” $500,000

Astronomy
Dr. Douglas Leonard
Space Telescope Science Institute: “The Final Word on the Progenitor of the Type II-Plateau Supernova SN 2006my,” $27,983

Dr. Jerome Orosz and Dr. William Welsh

Dr. Eric Sandquist
National Aeronautics and Space Administration: “Detached Eclipsing Binaries and Accurate Ages for Open Clusters NGC 6791 and NGC 6819,” $74,457

Dr. Todd Anderson, Dr. Brian Hentschel, Dr. Robert Zeller, Dr. Kevin Hovel and Dr. Matthew Edwards
National Science Foundation: “FSML: Improvements for Flow-through Seawater System at the Coastal and Marine Institute Laboratory, San Diego Bay,” $199,764

Dr. Sanford Bernstein
National Institute of General Medical Sciences: “Supplemental Studies of GTF/BUI/BWI,” $93,644

Dr. Kevin Burns

Dr. Joan-Wenqiong Chen
University of California at San Diego: “Tools and Resources Plant Genome Research: Discovery, Revision, and Validation of Maize Genes by Proteogenomics,” $118,401

Dr. Rulon Clark
National Science Foundation: “Understanding Predator-Prey Signaling Interactions: The Dynamics of Anti-snake Displays in Ground Squirrels and Kangaroo Rats,” $110,000

Dr. Ted Cranford
Fleet and Industrial Supply Center: “Constructing Hearing Threshold Diagrams for Marine Mammals: Computational Methods,” $702,580

Dr. Douglas Deutschman

Dr. Douglas Deutschman and Dr. Rebecca Lewison
California Department of Fish and Game: “Adaptive Management and Reserve Level Monitoring,” $45,885

Dr. Elizabeth Dinsdale
Centro de Estudios Científicas: “Bioleaching Bacteria in Chile,” $75,496 • National Science Foundation: “Microbes, Metagenomes and Marine Mammals: Enabling the Next Generation of Scientists to Enter the Genomic Era,” $200,000

Dr. Ralph Feuer

Dr. Christopher Glembocki

Biological Sciences
Dr. Todd Anderson and Mr. Thomas Zink

Professors Sanford Bernstein and Tom Huxford with graduate students in the Bernstein lab.
Dr. Roberta Gottlieb

Dr. Greg Harris
American Heart Association: “Sphingolipid Metabolism: A Novel Link Between Obesity and Dilated Cardiomyopathy–Walls,” $21,500

Dr. Brian Hentschel
National Science Foundation: “Plastic Marine Debris: Another Medium for Persistent Organic Pollutants (POPs) to Enter Marine Food Chains – C. Rochman,” $40,500

Dr. Kevin Hovell

Dr. Scott Kelley
Alfred P Sloan Foundation: “Viral Metagenomic Analysis of Workplace Environments,” $125,000 • University of Maryland: “ARRA: A Quality Assurance: Coordination and Analysis Center for HMP Administrative Supplement,” $75,231

Dr. Chun-Ta Lai

Dr. Rebecca Lewison

Dr. Rebecca Lewison and Dr. Douglas Deutschman
San Diego Association of Governments: “Institute for Ecological Monitoring and Management (IEMM),” $567,377

Dr. Rebecca Lewison and Mr. Thomas Zink

Dr. Phyllis-Jean Linton
National Institute on Aging: “Dendritic Cells in the Aged,” $354,503

Dr. David Lipson
Menon and Associates: “Screen Microbial Activity on Menon Provided Microbes,” $1,140 • National Science Foundation: “Reduction of Iron and Humic Substances as a Dominant Respiratory Process in an Arctic Peat Soil,” $156,400

Dr. Estralita Martin
CSU Sacramento University Enterprises, Inc: “CSU Louis Stokes Alliance for Minority Participation (LS-AMP) Phase IV,” $49,000

Dr. Robert Mentzer and Dr. Roberta Gottlieb
National Heart, Lung, and Blood Institute: “Autophagy, Adenosine and Pyruvate Protection During Heart Surgery,” $376,535

Dr. Walter Oechel

Dr. Paul Paolini

Dr. Jacques Perrault

Dr. Joy Phillips
National Institute of Allergy and Infectious Diseases: “Influenza A in the Aged: A Novel Vaccination Strategy,” $5,268 • National Institute of General Medical Sciences: “Pulmonary Delivery of a Hybrid Therapeutic to Halt Respiratory Viral Infection,” $311,051

Dr. Robert Pozos

Dr. Tod Reeder

Dr. Forest Rohwer

Dr. Mark Sussman
Chemistry and Biochemistry

Dr. Carl Carrano

Dr. Andrew Cooksy
Army Materiel Command: “Chemical Studies of Free Radical Relocalization,” $201,160

Dr. Douglas Grotjahn

Dr. Douglas Grotjahn and Dr. Andrew Cooksy
National Science Foundation: “Experimental and Theoretical Studies of Bifunctional Organometallic Catalysis,” $150,000

Dr. Tom Huxford
American Cancer Society: “Structural Biochemistry of the IkappaB Kinase Beta Subunit,” $150,000

Dr. John Love
Kent SeaTech Corporation: “Exploiting the Matting Phenotype of Chlamydomonas Reinhardtii to Enhance Harvesting in Large Scale Oil Production from Algae,” $90,000

Dr. Shelli McAlpine
Herman Frasch Foundation: “Development of New Antibiotics With a Novel Target,” $50,000 • National Cancer Institute: “Conformational-based Design and Development of Antitumor Agents,” $305,938

Dr. David Pullman
PURE Bioscience: “Antitumor Agents,” $305,938

Computer Science

Dr. Robert Edwards
U.S. Department of Education: “Consortia for Higher Education in Marine Sciences from Brazil and San Diego,” $35,000 • National Science Foundation: “Collaborative Research: PHANTOME: PHage Annotation TOols and Methods,” $300,343; “REU Supplement: Collaborative Research: PHANTOME: PHage Annotation TOols and Methods,” $15,500

Dr. Marie Roch

Dr. Marko Vuskovic
New York University School of Medicine: “Biomarker Study of Lung Cancer and AIDS Associated Malignancies,” $37,711

Dr. Bing Zhu and Dr. Jose Castillo
Henry Ford Foundation: “Web Archiving Service,” $10,939

Geological Sciences

Dr. John Crockett
University of California at San Diego: “Regional Energy Innovation and Commercialization,” $28,356

Dr. Steven Day

Dr. Barry Hanan
Dr. George Jiracek
National Renewable Energy Laboratory: “Geothermal Assessment of the Middle Rio Grande Rift in New Mexico - National Geothermal Student Competition,” $10,000

Dr. Shou Ma
National Science Foundation: “The Role of Sediments in Rupture Dynamics of Tsunami Earthquakes and Tsunami Generation,” $116,797 • University of Southern California: “A Collaborative Project: Rupture Dynamics, Validation of the Numerical Simulation Method,” $10,000; “Dynamic Rupture Modeling of M6.5 Normal Faulting Scenarios and Simulation of Strong Ground Motion,” $60,000; “Extraction of Station-to-Station Green’s Functions Using Seismic Coda in Southern California,” $20,000; “Exploring the Probability of Fault-to-fault Jumps During Earthquake Ruptures by Using Three-dimensional Dynamic Simulations,” $20,000; “Rupture Dynamics, Validation of the Numerical Simulation Method,” $8,000; “Stress Heterogeneity, Strong Velocity-weakening Friction, and Inelastic Off-fault Response,” $20,000; “Testing Waveguide Effect on Ground Motion in Los Angeles Using Ambient-noise Green’s Functions,” $20,000

Dr. Kim Olsen
United States Geological Survey: “Fully Nonlinear Modeling of Strong Ground Motion From M7.0 Earthquakes on the Salt Lake City Segment of the Wasatch Fault, Utah: Supplemental Funding,” $26,699 • University of California at Berkeley: “Validation of Finite Fault Simulations Using Broadband Synthetics Based on Low-frequency Dynamic Rupture Propagation and High-frequency Scattering Green’s Functions: Application to Large-magnitude Events,” $29,950 • University of Southern California: “Correlation of Peak Dynamic and Static Coulomb Failure Stress With Seismicity Rate Change After the M7.2 El Mayor-Cucapah Earthquake SCEC#11140,” $25,000; “HAZUS® Loss Estimates for Six Large San Andreas Fault Earthquake Scenarios, including the Mw8.0 “Wall to Wall,” $6,028; “Integrating Tomographically Improved Earth Structure Models Into Ground Motion Simulations for Physics-based Seismic Hazard Analysis: Integration of SCEC CME Computational Pathways 2 and 4,” $7,000; “Rupture and Ground Motions Near an Extensional Stepover on the San Jacinto Fault With Validation from Precariously Balanced Rocks: Collaborative Research With UC Riverside and San Diego State University,” $6,763

Dr. Aaron Pietruszka

Dr. Thomas Rockwell

Dr. Thomas Rockwell and Dr. Gary Girty
National Science Foundation: “Collaborative Research: Structural Architecture and Evolutionary Plate-Boundary Processes Along the San Jacinto Fault Zone,” $121,162

Mathematics and Statistics

Dr. Barbara Bailey
University of Illinois: “Catfish Project,” $8,130

Dr. Janet Bowers and Dr. Susan Nickerson

Dr. John Elwin
University of California, Office of the President: “CSMP/San Diego Mathematics Project,” $20,000; “NCLB/San Diego Mathematics Project,” $25,000 (see also Dr. Rafaela Santa-Cruz, Teacher Education)

Dr. Juanjuan Fan and Dr. Richard Levine
Creighton University: “Multivariate CART for Survival With Dental Applications,” $73,038

Dr. Andrew Izsak

Dr. Andrew Izsak and Dr. Joanne Lobato
National Science Foundation: “Diagnosing Teachers’ Multiplicative Reasoning,” $54,953

Dr. Joanne Lobato
University of Georgia: “Diagnosing Teachers’ Multiplicative Reasoning,” $60,214

Dr. Ricardo Nemirovsky
National Science Foundation: “Tangibility for the Teaching, Learning and Communicating of Mathematics,” $473,316

Dr. Vadim Ponomarenko
National Science Foundation: “REU Site: San Diego State University Mathematics Research Experience for Undergraduates,” $129,777

Dr. Chris Rasmussen

Dr. Tom Rockwell and Dr. Neta Wechsler study the earthquake history of the Dead Sea fault that transects Jordan/Israel, Lebanon and Syria
**Physics**

**Dr. Arlette Baljon**  
*National Science Foundation*: “Topological Changes in Associative Polymer Networks Due to Mechanical Stress,” $181,000

**Dr. Michael Bromley**  
*National Science Foundation*: “Atomic and Long-range Two, Three and Four-atom Chemical Properties,” $60,000

**Dr. Fred Goldberg and Dr. Sharon Bendall**  

**Dr. Calvin Johnson**  
*US Department of Energy*: “Building a Universal Nuclear Energy Density Functional,” $55,000; “Mean Field and Moment Methods Applied to Nuclear Structure and Reactions,” $78,000

**Dr. Usha Sinha and Dr. Jose Castillo**  

**Dr. Alan Sweetler**  
*California State University, Office of the Chancellor*: “Public Interest Energy Research (PIER)- Energy Innovations Small Grant (EISG) Program,” $3,999,925; *University of California at San Diego*: “RESCO Collateral Project,” $75,000

**Psychology**

**Dr. Nader Amir**  

**Dr. Theresa Cronan**  
*Albert & Elaine Borchard Foundation Inc*: “The Cancer Continuum,” $35,000; *National Institute of Mental Health*: “Career Opportunity and Research (COR) at San Diego State University,” $258,055; “Minority Research Infrastructure Support Program (M-RISP),” $225,850

**Dr. Linda Gallo**  

**Dr. Dr. Elizabeth Klonoff**  
*California Department of Health and Human Services Tobacco Control Section*: “STAKE Act (Stop Tobacco Access to Kids Enforcement),” $375,000; *California Department of Justice*: “Youth Access to Tobacco Via the Internet,” $15,000; *University of California at San Diego*: “Clinical and Translational Research Institute,” $74,134

**Dr. Dr. Elizabeth Klonoff and Dr. Stanley Maloy**  
*National Cancer Institute*: “Comprehensive SDSU/UCSD Cancer Center Partnership,” $1,569,064

**Dr. Ariel Lang**  
*National Institute of Mental Health*: “Evaluating a Novel Working Memory Training Program to Decrease Symptoms of PTSD- J. Bomyea,” $29,570

**Dr. Alan Litrownik**  

**Dr. Vanessa Malcarne**  
*California Breast Cancer Research Program*: “Breast Cancer Clinical Trials Education Program,” $76,320

**Dr. Vanessa Malcarne and Dr. Scott Roesch**  
*University of California at San Diego*: “Clinical Trials Education for Hispanics,” $56,862

**Dr. Sandra Marshall**  

**Dr. George Matt**  
*University of California, Office of the President*: “Third-hand Smoke Pollution and Exposure in Ex-smokers’ Homes,” $256,300

**Dr. Sarah Mattson**  
*Indiana University*: “A Multisite Neurobehavioral Assessment of Fetal Alcohol Spectrum Disorder,” $18,280; *National Institute on Alcohol Abuse and Alcoholism*: “Mechanisms of Attention Deficits in Children With Heavy Prenatal Alcohol Exposure,” $394,063; “Mechanisms of Math Deficits in Fetal Alcohol Spectrum Disorders – N. Crocker,” $28,937; *University of California at Los Angeles*: “Mapping the Brain, the Face and Neurocognitive Function in Fetal Alcohol Spectrum Disorders,” $64,447

**Dr. Sarah Mattson and Dr. Edward Riley**  
*National Institute on Alcohol Abuse and Alcoholism*: “A Multisite Neurobehavioral Assessment of Fetal Alcohol Spectrum Disorders,” $688,185

**Dr. Pamela Moses**  
*University of California at San Diego*: “Neurodevelopmental Studies of Language and Literacy- Project 4,” $101,804 (see also Dr. Judy Reilly, Psychology and Dr. Beverly Wulfeck, Speech, Language and Hearing Sciences)

**Dr. Ralph-Axel Mueller**  

**Dr. Claire Murphy**  

**Dr. Joseph Price**  
*National Institute of Mental Health*: “Community Implementation of KEEP: Fidelity and Generalization of Parenting Effects,” $636,487; *Rady Children’s Hospital San Diego*: “Advanced Center to Improve Pediatric Mental Health Care (ACIPMHC),” $197,174

**Dr. Judy Reilly**  
*University of California at San Diego*: “Neurodevelopmental Studies of Language and Literacy- Project 4,” $101,804 (see also Dr. Pamela Moses, Psychology and Dr. Beverly Wulfeck, Speech, Language and Hearing Sciences); “Social and Affective Components of Communication- Project 3,” $55,736

**Dr. Edward Riley**  

**Dr. Scott Roesch**  
*National Institute on Alcohol Abuse and Alcoholism*: “Prevalence and Correlates of Alcohol Consumption Among African Americans – F. Villodas,” $27,406; *Veterans Medical Research Institute*: $131,268
Dr. James Sallis
Association of American Indian Physicians:
“ARRA: Obesity Prevention Program: Environment and Policy Approaches to Improve Nutrition and Increase Physical Activity in Native Communities,” $75,000 • California Endowment: “Active Living Research Conference,” $5,000 • Emory University: “Neighborhood Nutrition and Physical Activity Environments and Weight,” $77,169 • National Cancer Institute: “IPEN: International Study of Built Environment, Physical Activity, and Obesity,” $592,937 • Robert Wood Johnson Foundation: “Technical Assistance and Direction: Active Living Research National Program Office,” $1,228,170 • University of California at San Diego: “Multilevel Intervention for Physical Activity in Retired Communities,” $63,043 (see also Dr. Simon Marshall, Exercise and Nutritional Sciences); “Planned Care for Obesity and Risk Reduction (Planned CORR),” $14,965 (see also Dr. Elva Arredondo, Graduate School of Public Health); “SMART: A Social and Mobile Weight Control Program for Young Adults,” $66,798

Dr. Rachel Schlagel
National Institute of Mental Health: “Promoting Parent Participatory Engagement in Youth Mental Health Services,” $182,212

Dr. Charles Taylor
National Institute of Mental Health: “Positive Emotional Processing: Exploring Novel Treatment Targets in Social Phobia,” $90,000

Dr. Jennifer Thomas
National Institute on Alcohol Abuse and Alcoholism: “ARRA: Fetal Alcohol Effects and Choline Interventions,” $43,536; “Fetal Alcohol Spectrum Disorders Study Group Annual Meeting,” $16,605

Dr. V. Robin Weisinger

Dr. May Yeh
National Institute of Mental Health: “Symptom Severity, Treatment Engagement, and Outcomes for Culturally Diverse Youth: K. Tsai,” $27,413

KPBS – educational radio and television
Mr. Thomas Karlo, General Manager
Ms. Stephanie Bergsma
WebMD Health Foundation: “Healthcare Reporting of KPBS,” $80,000

Ms. Stephanie Bergsma and Ms. Trina Hester
WebMD Health Foundation: “Healthcare Reporting,” $80,000

Ms. Tammy Carpowich
National Public Radio: “ARGO Project,” $149,720

Mr. John Decker

Mr. Tom Karlo
Margaret A. Cargill Foundation: “One Book One San Diego,” $32,550 • Corporation for Public Broadcasting: “Radio Community Service Grant,” $494,354; “Television Community Service Grant,” $1,991,098

Ms. Monica Medina

Mr. Leon Messenie

BUSINESS AND FINANCIAL AFFAIRS
Aztec Shops
Mr. Todd Summer
U.S. Department of Education: “SDSU Book Store Textbook Rental,” $1,099,152

GRADUATE AND RESEARCH AFFAIRS
Dr. Thomas Scott

PRESIDENT’S OFFICE
Office of Diversity
Mr. Aaron Bruce
Alliance Healthcare Foundation: “SDSU Embrace the Streets,” $5,000

STUDENT AFFAIRS
Dr. James Kitchen, Vice President
Dr. Louis Murillo
Excellencia in Education: “SEMILLAS SDSU Peer Counseling Program,” $75,000

Student Disability Services
Ms. Mary Shojai
U.S. Department of Education: “Student Support Services Project for Students With Disabilities,” $290,516

Student Health Services
Dr. James Lange
National Institute on Alcohol Abuse and Alcoholism: “ARRA: Disclosing Contents of Drinks: Experimental Test on Natural Consumption Behavior,” $492,900 • University of California at Irvine: “SDSU Participation in California Coalition for Safer Universities,” $10,000
Example 3D facial photograph used to develop diagnostic tools for fetal alcohol spectrum disorders (Dr. S. Mattson),

Fieldwork on Kilauea Volcano, Hawaii (Dr. A. Pietruszka),

Coxsackievirus-infected myeloid cells (green) trafficking into neurogenic regions (red) of the newborn central nervous system. Cell nuclei were stained with DAPI (blue) (Dr. R. Feuer),

Student M. Jennings studies the effects of wildfire on bobcats in San Diego County (Dr. R. Lewison),

Fieldwork on Kilauea Volcano, Hawaii (Dr. A. Pietruszka),

SDSU civil engineering students enjoy the Panama Canal transit (Mr. T. Zink),

Chris Millow holds an adult black skimmer (Rynchops niger) as part of his Master's thesis on how contaminants influence reproductive success (Dr. R. Lewison)