

Faculty News Updates

Awards & Honors:

Guy Ramon (Physics) has received a two-year award from Research Corporation that provides \$43,656 to support "Theoretical Study of Decoherence Effects and Quantum of Spin Qubits in Semiconductor Quantum Dots."

Patrick Hoggard (Chemistry) has received a three-year award of \$65,000 from the American Chemical Society's Petroleum Research Fund to support "Photocatalytic Dechlorination of Chloroalkanes in Hydrocarbon Mixtures."

Betty Young (Physics) has received supplemental subcontract funding from Case Western Reserve University that adds \$175,000 to support "Super CDMS 25 kg Experiment." The revised award total is \$664,169. The National Science Foundation provides the funds for this collaborative award.

Justen Whittall (Biology) has received a \$6,000 supplement from the National Science to support "RUI Collaborative Research IPY: Flower color Evolution in the Arctic: Integrating Genomic Research and Undergraduate Education in Polar Environments."

Craig Stephens (Biology) has received year 2 funding from the National Science Foundation to support "RUI: Function of LacI-type Transcription Factors in Caulobacter." The award with this amendment now totals \$264,670.

Leilani Miller (Biology) has received a 3-year, \$427,000 award from the National Science Foundation to support "Analysis of LIN-31, a transcription factor with multiple roles in *C. elegans* development." The award is funded under the American Recovery and Reinvestment Act of 2009.

Jeanette Leach (Law School Admissions) has received \$50,000 from the Law School Admission Council to support "Prelaw Undergraduate Scholars Program (PLUS), Summer 2009."

Marco Bravo (Education) has received \$46,218 in subcontract funding from UC Berkeley/ National Science Foundation to support "The Role of Educative Curriculum Materials in Supporting Science Teaching Practices with English Language Learners."

Keith Warner (Religious Studies, CSTS) has received year 3 funding of \$34,098 from the National Science Foundation to support "Managing Risk in the Public Interest: How Ethics and Values Shape Biological Control Practice and Policy."

Rich Barber (Physics) has received additional subcontract funding of \$17,636 from Lawrence Berkeley National Laboratory (LBNL) to support "Oxides, Interfaces and Disorder." The U.S. Department of Energy provides the LBNL project.

Craig Stephens (Biology) has received a \$9,000 Research in Undergraduate Institutions (REU) Supplement to his National Science Foundation award "RUI: Function of LacI-type Transcription Factors in Caulobacter."

Christopher Kitts (Mechanical Engineering) has received a one-year award of \$55,000 from the Air Force Office of Scientific Research to support "IRIS: Intelligent Response Imaging Spacecraft."

Betty Young (Physics) has received \$53,360 from the National Science to support "Detector Optimization for SuperCDMS and Other Experiments." This is year 2 funding of an anticipated three year award.

Elizabeth Dahlhoff (Biology) has received an award of \$95,691 from the National Science Foundation to support "Collaborative Research: RUI: Ecological and Evolutionary Responses to Environmental Change in Sierra Nevada Populations of a Montane Willow Beetle." This is year 1 funding of an anticipated 5-year award.

Betty Young (Physics) has received supplement subcontract funding from Case Western Reserve University that adds \$36,000 to support "Super CDMS 25 kg Experiment." The revised award total is \$489,169. The National Science Foundation provides the funds for this collaborative award.

Geoffrey Bowker and Susan Leigh Star (Center for Science, Technology and Society) have received a three year award from the National Science Foundation that provides \$193,905 to support "Collaborative Research: AOC: Monitoring, Modeling and Memory: Dynamics of Data and Knowledge in Scientific Cyberinfrastructures." SunWolf (Communication) was a featured speaker for the National Association of Criminal Defense Lawyers, at its Fall Conference in Tampa, FL, "Good and Evil in the Jury Room: Uncovering and Speaking to a Juror's Moral Brain"

Manoj Parameswaran (OMIS) has received a two-year award from the National Science Foundation that provides \$75,954 to support "CT-ISG: Collaborative Research: Incentives, Insurance and Audited Reputation: An Economic Approach to Controlling Spam."

Rich Barber (Physics) has received a new \$50,000 subcontract award from Lawrence Berkeley National Laboratory (LBNL) to support "Oxides, Interfaces and Disorder." LBNL received funding from the U.S. Department of Energy for this research project.

Angel Islas (Biology) has received two amendments totaling \$166,100 from the National Science Foundation to support "RUI: Template Switching by DNA Polymerases Involved in DNA Repair and Translesion Synthesis." The award, with these amendments, now totals \$506,100. The first amendment adds \$6,100 to support and additional student research assistant. The second amendment adds year 3 funding of \$160,000, a portion of which supports two student research assistants.

Betty Young (Physics) has received second year subcontract from Case Western Reserve University that adds \$228,794 to support "Super CDMS 25 kg Experiment." The revised award total is \$453,169. The National Science Foundation provides the funds for this collaborative award.

Manoj Parameswaran (OMIS) has received a two-year award from the National Science Foundation that provides \$75,954 to support "CT-ISG: Collaborative Research: Incentives, Insurance and Audited Reputation: An Economic Approach to Controlling Spam."

Mahmud Rahman (Electrical Engineering) has received 3rd year funding in the amount of \$30,000 from NASA-Ames. These funds support Prof. Rahman's project: Field Emission Optimization of an Individual Multi-Walled Carbon Nanotube.

Angelo Ancheta (Law) has received two one-year renewal awards that provide funding for the Katharine and George Alexander Community Law Center. The first is a City of San Jose award of \$27,539; the second is a County of Santa Clara award of \$31,519.

Edwin Maurer (Civil Engineering) has received a one-year subcontract award from the University of California, San Diego that provides \$50,000 to support "Use of Other Statistical Downscaling Techniques and Hydrological Modeling." The UCSD award was received from the California State Energy Resources Conservation and Development Commission.

Ruth Cook (Education) has received \$196,007 in funding from the U.S. Department of Education to support "Joining Forces to Meet the Challenge: Preparing Special Educators who will also be able to Meet the Needs of Young Children with Autism Spectrum." This is second year funding of an anticipated four-year award. The two-year award total is \$391,511.

Rich Barber (Physics) has received a new \$50,000 subcontract award from Lawrence Berkeley National Laboratory (LBNL) to support "Oxides, Interfaces and Disorder." LBNL received funding from the U.S. Department of Energy for this research project.

Cary Yang (Center for Nanostructures/Electrical Engineering) has received two recent amendments from the U.S. Army that provide a total of \$1,316,853 to support "Thermal and Electrical Nanoscale Transport [TENT]. With these amendments, the award now totals \$3,016,853.

Ron Danielson (Information Services) has received a two-year award from the U.S. Department of Education that provides \$478,492 to support "Equipment, Technology, and training in Support of Library and Information Commons Activities."

Rebecca Schapp and Karen Kienzle of the DeSaisset Museum have received a one-year award from the Lannan Foundation providing \$10,000 to support "Evri Kwong:

Pretend Everything is Okay Exhibit Catalogue" for an exhibition of the artists work beginning 27 September 08.

Betty Young (Physics) has received \$31,492 from Lockheed Martin to support "Aluminum Manganese TES Development for Large Scale Arrays of Microcalorimeters." This is the final year of funding on a three year subcontract award. The Lockheed Martin award is funded by NASA-Goddard. The award with this amendment totals \$102,801.

Patrick Hoggard (Chemistry) has received a three-year award from the National Science Foundation that provides \$195,000 to support "RUI: Near-UV and Visible Light Photocatalysis of Halocarbon Degradation by Metal Complexes." Halocarbons arise as disinfection byproducts and are present in many municipal water supplies at concentrations higher than those established by EPA guidelines. One goal of this research project is to find a compound that can heterogeneously decompose halocarbons in water. If decomposition can be demonstrated, this may point the way toward a practical method to remove PCB's from water. This research also will provide education and training in photochemical techniques to a number of undergraduate students.

Geoffrey Bowker (Center for Science, Technology and Society) has received a one-year award from the National Science Foundation that provides \$18,395 to support "Towards a Virtual Organization for Data Cyberinfrastructure."

Grants

Christopher Kitts (Mechanical Engineering) has received a one-year award of \$55,000 from the Air Force Office of Scientific Research to support "IRIS: Intelligent Response Imaging Spacecraft." This is year one funding of an anticipated two-year award.

Craig Stephens (Biology) has received a \$9,000 Research in Undergraduate Institutions (REU) Supplement to his National Science Foundation award "RUI: Function of LacI-type Transcription Factors in Caulobacter."

Rich Barber (Physics) has received additional subcontract funding of \$17,636 from Lawrence Berkeley National Laboratory (LBNL) to support "Oxides, Interfaces and Disorder." The U.S. Department of Energy provides the LBNL project. The subcontract award now totals \$37,200.

Keith Warner (Religious Studies, CSTS) has received year 3 funding of \$34,098 from the National Science Foundation to support "Managing Risk in the Public Interest: How Ethics and Values Shape Biological Control Practice and Policy." The award with this amendment totals \$105,000.

Marco Bravo (Education) has received \$46,218 in subcontract funding from UC Berkeley/ National Science Foundation to support "The Role of Educative Curriculum Materials in Supporting Science Teaching Practices with English Language Learners." This is year 1 funding of an anticipated 4-year award.

Geoffrey Bowker (CSTS) and Eben Kirksey have received a two-year award from the National Science Foundation that provides \$83,989 to support "The Tropical Rain Forest as a Boundary Object: An Ethnography of Multiple Collectives and Social Worlds."

Justen Whittall (Biology) has received a two-year award from the National Science Foundation that provides \$352,493 to support "RUI Collaborative Research IPY: Flower Color Evolution in the Arctic: Integrating Genomic Research and Undergraduate Education in Polar Environments."

Keith Warner (Environmental Studies) has received year 2 funding from the National Science Foundation that provides \$39,549 to support "Managing Risk in the Public Interest: How Ethics and Values Shape Biological Control Practice and Policy." The award with this amendment totals \$70,902.

Christopher Kitts (Mechanical Engineering) has received second year funding of \$55,000 from the Air Force Office of Scientific Research (AFOSR) to support "The OBSIDIAN Nanosatellite Project." The award with this amendment now totals \$110,000. SCU's Robotic Systems Laboratory will develop the OBSIDIAN (Orbiting Biological Study using In situ Diagnostics Implemented via an Autonomous Nanosatellite) nanosatellite mission as part of the AFOSR University Nanosatellite Program. OBSIDIAN is a single nanosatellite that will be developed by SCU undergraduate and graduate students as part of a comprehensive educational program.

Leslie Gray (Environmental Studies) has received second year funding of \$41,731 from the National Science Foundation to support "RUI: Cotton, Poverty and the Environment in Africa." The award with this amendment now totals \$88,967.

Presentations

SunWolf (Communication) was a featured speaker for the National Association of Criminal Defense Lawyers, at its Fall Conference in Tampa, FL, "Good and Evil in the Jury Room: Uncovering and Speaking to a Juror's Moral Brain"