

# CTAHR RESEARCH NEWS

July-August 2006  
Volume 2, Issue 6



**Center on the Family**

UNIVERSITY OF HAWAII AT MĀNOA

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"Call it a clan, call it a network,  
call it a tribe, call it a family:  
whatever you call it, whoever  
you are, you need one."

- Jane Howard



**UH Center on the Family staff includes:**  
(l-r) Shi-Jen He, Sylvia Yuen (Center Director), Anees Kadir,  
Marika Ripke, Ivette Rodriguez Stern, Maw-Ying Yuan.

**UH Center on  
the Family**

**CTAHR grant  
dollars are up!**

**Publications on  
the leading edge  
of science**

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# From the Associate Dean and Associate Director for Research

With increased traffic signaling the end of summer, we welcome you back to a new academic year! Entering a new fiscal year during the summer has kept our administrative staff very busy processing paperwork. And the federal fiscal year closing will also keep us busy again. One of the initiatives implemented after my arrival was to track proposals submitted and grants awarded. At this point, we do not have too many years' worth of data to report. However, beginning next month, we will share some summary analyses and will be able to provide more statistics in the future. In this issue, Doug Vincent gives us a preliminary summary of our grants for the last twelve months.

This month, *CRN* highlights the Center on the Family (COF), not only for its success in bringing in the grants (almost five million dollars in grants and contracts!) – but also because it embodies the land-grant mission of *providing relevant research to benefit the public*. The success story begins with its tireless leader: Dr. Sylvia Yuen. Sylvia consistently increases COF's coffers by writing grants and contracts: a shining example we should all emulate. As with other programs showcased in past issues, COF is not about one single person: it's the partnership of a group of dedicated people that makes a winning team. COF's most recent addition is their "Data Center on Aging," which I highly recommend visiting. (A link is provided in the article for your convenience.)

Another one of the college missions is to *strengthen state's economy*. With this in mind, we continue to explore new opportunities for our stakeholders. The most recent report released by the National Agricultural Statistics Service Hawaii Field Office shows that tropical fruits fit that description. In 2001, the

total number of Hawaii farms growing tropical specialty fruit was 145, and in 2005, it has grown to 235 farms. Total acreage is growing also. Tropical fruit is a growing industry that we need to pay more attention to; and in response, CTAHR has re-structured our CSREES special grant portfolio last year, creating a new tropical fruits special grant program to fund research. Brian Turano provides a piece on a new initiative in USDA to establish a new program dealing with special crops, to which tropical fruits belong. This will be another potential source of funding for our faculty members, once implemented, and I encourage you to join in the discussion and make your voice heard.

During the summer, we also finished up the T-STAR impact video, *Caring for our watersheds*, about the work Ali Fares and his colleagues in NREM and TPSS are doing in one of our watersheds. We encourage you to learn more about this project by viewing the video here: <http://www2.ctahr.hawaii.edu/t-star/TSTARHilitePage.htm>

As usual, you will find current funding opportunities, grants received, and papers published in this issue. Please send your items to me if we missed yours in this issue. Thanks for reading and have another successful year! Welcome back to school!



Ching Yuan (CY) Hu  
Associate Dean and  
Associate Director for  
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# Strengthening Hawai'i's Families

By Sylvia Yuen  
Professor and Director, Center on the Family

The Center on the Family utilizes Urie Bronfenbrenner's ecological model as the theoretical framework to guide its work on strengthening Hawai'i's families. We view human development as occurring within interacting systems that include:

- the immediate environment (generally, the family) where individuals lead their daily lives,
- school and work settings, and
- the larger sociopolitical and economic culture encompassing them all.

To maximize our impact, we target our research and educational outreach to the people and organizations that operate in all of these systems with significant influence on the well-being of families and their constellation of family members. For the most part, rather than working directly with families, we build the capacities of and collaborate with family service providers, educators, program directors, policy makers, and others to achieve our mission. Most of the Center's projects integrate research and extension and are supported by extramural contracts and grants which totaled more than \$4 million this past year. Many of our projects focus on (1) data and information, and (2) capacity building, and are briefly described below.

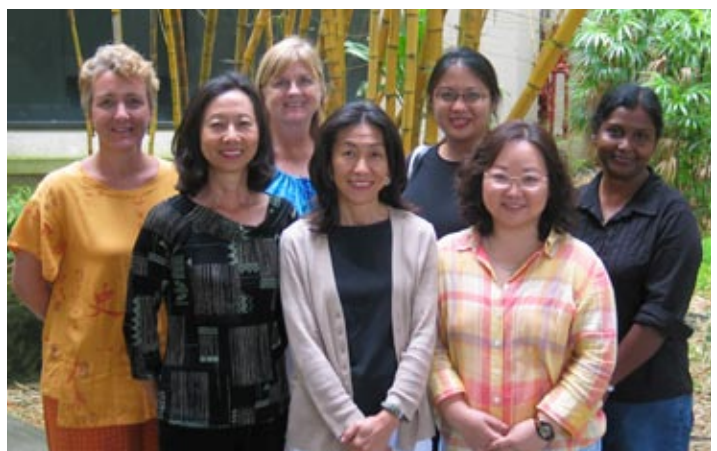
## Data and information

We monitor the well-being of our state's children, families, and communities by analyzing indicator data gathered from national, state, and county sources and comparing them over time and geographic area. These and other data are published and posted on our web-based Data Center ([www.uhfamily.hawaii.edu/Cof\\_Data/](http://www.uhfamily.hawaii.edu/Cof_Data/)). This website contains the most comprehensive collection of data and information on Hawai'i's children, families, and local communities, and was selected from an international pool of applicants for the 2004 Silver Award by the Association for Communication Excellence. The Data Center's wide usage and success in helping users secure funds and improve programs and services prompted a request from the Executive Office on Aging to expand our work to include the elderly. This has led to our newest initiative: the Data



(top row from left to right) Cherie Lee, Carole Hope, Dana Gorecki, Rebecca Luning, Barbara DeBaryshe, (bottom row from left to right) Melanie Ho, Naomi Kahikina, Melissa Fujimoto.

*“We build the capacities of and collaborate with family service providers, educators, program directors, policy makers, and others to achieve our mission.”*



(first row):Harumi Karel, Noriko Shiratori, Sarah Yuan; (back row): Cyndy Kahalewale, Ann Tom, Allison Hu, and Quamrun Nahar.

Center on Hawai‘i’s Aging ([www.uhfamily.hawaii.edu/datacenter/aging/](http://www.uhfamily.hawaii.edu/datacenter/aging/)). The establishment and maintenance of our Data Centers – which now cover the entire life continuum – require a multidisciplinary team of social scientists and IT specialists to collect, analyze, and securely maintain primary and secondary population data. Our award-winning team consists of **Sarah Yuan**, Assistant Specialist in Gerontology; **Marika Ripke**, Hawai‘i Kids Count Project Director; **Ivette Rodriguez Stern**, Family Touchstones Leader; **Shi-Jen He**, Data Manager; **Anees Kadir** and **Maw-Ying Yuan**, IT Support Staff; **Harumi Karel**, Project Coordinator; and **Stephanie Mastrobuono**, **Yanhan Nie**, **Frederika Bain**, and **Natalie Crespo**, research assistants.

Our data and information are widely used in motivating others to improve conditions for Hawai‘i’s people. For example, we developed the first *Quality of Life Report* for the Aloha United Way (AUW), which documents the well-being of our state as reflected by

key social, health, safety, educational, economic, and environmental measures. A second AUW report on family economic self sufficiency is being prepared by **Prabode Illukpitiya**, research assistant, **Shi Jen He**, and NREM professor **John Yanagida**. We have also been asked by the Department of Health to identify and track indicators for the Early Childhood Comprehensive System Strategic Plan, enabling service providers and advocates to ascertain whether desired outcomes for children and families are achieved.

### Capacity building

Our capacity-building projects focus on people and organizations that serve the vulnerable. “Early Reading First (ERF)” is a collaborative effort of three organizations: the Center on the Family, the Honolulu Community Action Program’s (HCAP) Head Start, and the Hawaii Department of Education. It serves children and families with high rates of

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# Data Center

Welcome to the Data Center, the most comprehensive collection of data and information on Hawai‘i's families, children, and aging population.



Child & Family Indicators

This database provides data on indicators related to child and family well-being at the national, state, and county levels.



School/Community Profiles

Community-specific data for selected indicators are provided for over 40 school complexes, each of which includes a high school, all of the elementary and middle schools that feed into that high school, and the geographic boundaries that surround each of them.



Hawai'i's Aging

This section includes two databases, one providing indicator data on trends in the aging population in the state and counties of Hawai'i and nationwide, the other containing a comprehensive selection of publications regarding Hawai'i's elderly, including journal articles and government reports.



Drug Prevention SIG

Information and resources regarding drug use and prevention among children and youth are presented, including indicator data relating to 13 State Incentive Grant (SIG) communities.

poverty, English (as a second) language learners, and special learning needs, and is conducted by Associate Specialist **Barbara DeBaryshe** and project members **Dana Gorecki, Melanie Ho, Naomi Kahikina, Cherie Lee**, research assistant **Rebecca Luning**, and summer intern **Melissa Fujimoto**. ERF implements *Learning Connections*, a locally-developed language, literacy and math enrichment curriculum, in selected preschool classrooms. It also engages teachers in professional development experiences, and provides a transition team to support children and families make a successful transition to elementary schools.

“Learning to Grow” is a multi-faceted project directed by FCS Professor **Grace Fong** (who is affiliated with the Center on the Family) and team members **Mary Ann Nemoto, Traci Hisatake, Wendy Chang, Angela Choy, Lori Furoyama, and Keanukapulani Kikuchi**. The goals of “Learning to Grow” are to:

- Improve the quality of kith-and-kin care by providing educational outreach services and resources to eligible parents utilizing license-exempt care.
- Support parents in making informed decisions about their young children’s care.
- Pilot a system for establishing community-based family resource network centers (FRNCs) that can link parents and care providers to community programs, resources, and services that promote children’s safety, healthy development, and school readiness.
- Pilot the Imagination Library in selected school complexes throughout the state.



Lori Furoyama, Angela Choy, Mary Ann Nemoto, Wendy Chang, Traci Hisatake.

The State’s vision that, “All of Hawai‘i’s children will be safe, healthy, and ready to succeed in school,” guides all facets of the project: from developing and disseminating information, providing training, and building collaborative partnerships.

**Ann Tom**, Project Coordinator, is assisted by **Noriko Shiratori** on our Quality Care in Early Childhood project. In a unique collaboration with public and private partners (Honolulu Community College, Hawaii Association for the Education of Young Children, and PATCH), the project aims to increase the quality of child care offered through a system of technical assistance and training. Center-based child care programs are assisted in achieving the *Hawaii Preschool Content Standards*, while home-based providers are aided in meeting standards of care based on the *Developmental Guidelines for Infants and Toddlers*. When they meet the quality goals, financial incentives are available for providers who serve children receiving child care subsidies from the Department of Human Services. The Center on the Family administers the overall program, develops training and educational materials for home-based providers, and monitors outcome data for the program.

We are one of the few grantees selected nationally to receive a second round of Compassion Capital awards. Our “Hawai‘i Moving Forward” project builds the capacity of faith- and community-based organizations to enable them to enhance and expand their services to the homeless, at-risk youth, those transitioning from welfare to work, families of the incarcerated, and the elderly. Training workshops, technical assistance, mentoring, and grants are provided to strengthen the leadership, internal structures, and sustainability of selected organizations. This project is a partnership with the Hawai‘i Community Foundation and Hawaiian Islands Ministries and is ably managed by **Ivette Rodriguez Stern**, Project Coordinator.

We are also building the data capacity of the Alcohol and Drug Addiction Division of the Department of Health and the Homeless Division of the Housing and Community Development Corporation of Hawaii. By improving data-collection methods and systems, conducting statistical analyses on the data, and developing print and electronic reports on the results, we are now able to make information on substance use and the homeless more widely available. Much of the work relating to the homeless is conducted by **Marika Ripke**, and **Michael Ullman**, research assistant. The

team members working in the area of substance use are *Shi-Jen He*, *Sarah Yuan*, Project Coordinator *Stephen Okano* and research assistant *Quamrun Nahar*. In addition, *John Engle*, a FCS faculty member affiliated with the Center, and research assistant *Allison Hu* are studying the impact of incarceration on children. Supported by *Lori Yancura*, FCE faculty member, Project Facilitator *Lana Nakamura*, and research assistants *Heather Trundle* and *Syeda Hadi* are conducting an evaluation of a new after school program for middle school students that is designed to reduce teen pregnancy and other risk behaviors.

Financial strain, substance use, homelessness, and children's failure to succeed academically are some of the problems facing many of Hawai'i's families. They make it difficult for families to remain resilient and nurture children to become successful adults. The Center on the Family cannot solve all of these complex problems. However, we are strategically using staff and resources in areas where our expertise will have maximum impact on sustainable systems that will improve the quality of life of Hawai'i's people, families, and communities.

## Specialty Crop Industry forms research group to focus federal resources on industry priorities

By Brian Turano  
CTAHR Grant Specialist

Specialty crops' domestic market value surpasses \$45 billion annually<sup>1</sup>. Specialty crops include fruits, vegetables, tree nuts, dried fruits, and nursery crops. A grassroots-type of movement has overtaken the specialty crop industry to address growing threats to their viability. The threats include:

- Increasing competition from lower cost foreign producers
- Declining availability of labor, land, water, and energy resources
- Persistent and serious pressure from insect and plant diseases
- Increasing costs and greater management complexity from state and federal regulations
- Greater demand for improved microbiological food safety

Industry leaders have banded together to form the Specialty Crop Research Team (SCRT) to define strategies to mitigate the effects of these threats. The SCRT is a broad and growing coalition of specialty crop organizations that is working with the USDA to focus federal resources on addressing their strategic priorities. The strategic priorities fall into four key areas:

- Understanding and improving quality
- Understanding consumer perceptions of specialty crops, the role of nutrition in specialty crops, and the economic contribution of specialty crops to rural economies
- Enhancing processing and production efficiency
- Developing and promoting sustainable practices

The SCRT has stated that extension is an overarching need to get important research out of the laboratory and into the fields. Furthermore, the specialty crop industry nationwide has been underserved by university-based cooperative extension services due to under-funding. The SCRT is holding discussions on how to best promote research and extension funding in the 2007 Farm Bill. For more information or to participate in these discussions contact Dr. Thomas Bewick at the USDA CSREES (email: [tbewick@csrees.usda.gov](mailto:tbewick@csrees.usda.gov); phone: 202-401-3356).

<sup>1</sup> USDA-NASS, 2002. [http://www.nass.usda.gov/census/census02/volume1/us/st99\\_1\\_002\\_002.pdf](http://www.nass.usda.gov/census/census02/volume1/us/st99_1_002_002.pdf)

## Important items in the research calabash

### New Office of Research Services director

Ms. Yaa-Yin Fong has been appointed Director of the Office of Research Services replacing Chris Helm, who resigned in March 2006. Ms. Fong comes to UH from Arizona State, where she held similar research administration positions. We will invite Ms. Fong to CTAHR to meet our faculty in the near future.

### New indirect costs in place

As you calculate indirect costs for your grant proposal, please be reminded that there is a new [indirect cost rate table](#) for FY 2007. Be sure to use the new rates for this fiscal year in your calculations.

### Grant writing for graduate students

Space is still available for ANSC 697 / FSHN 697 Grant Writing for Graduate Students. Brian Turano and Doug Vincent will be offering their Grant Writing for Graduate Student class for the 2006 Fall Semester. The one-credit class meets on Tuesdays, 12:30 – 1:45 pm, Ag Sciences 301. Please encourage CTAHR graduate students to enroll. Contact Doug Vincent for more details.

### Monthly CTAHR grant writing workshops continue

Securing and Managing Extramural Funding: A Workshop Series for Faculty. Brian Turano's monthly workshop on grant writing continues. The workshop meets monthly on MONDAYS from 2-4 pm, in Ag Sciences 219. Upcoming topics include:

- September 11, 2006 – Generating Measurable Outputs and Impacts
- October 9, 2006 – Building a Compelling Case
- November 13, 2006 – Experimental Design/Methods
- December 11, 2006 – Abstracts

Space is limited so contact Brian for more details.

### T-STAR deadlines earlier this year

At the request of CSREES, we will be meeting earlier in 2007 to make funding decisions for the Tropical and Subtropical Agricultural Research (T-STAR) USDA CSREES Special Research grant. To ensure that grants are received on time, submission to the Special Director for Grants and Contracts Office will be sooner. Letters of Intent are due Tuesday, September 5, 2006, and proposals will be due Monday, October 2, 2006. More information about these changes at a later date. We are again requesting Letters of Intent this year to anticipate proposals categories for review panels.

### T-STAR help sessions scheduled

Two T-STAR help sessions will be scheduled for August and September. Thursday, August 31, 2006 at 10:30 am – 12:00 noon, Gilmore 212 will be a help session about the T-STAR program with tips on how to prepare a good proposal. On Friday, September 15, 2006, at 1:30 pm – 3:30 pm, Gilmore 212, a second help session will be held to assist applicants with the transition to the new SF 424 R&R forms.

### T-STAR using PAPER submissions via SF 424 R&R

T-STAR proposals will NOT be submitted this year via Grants.gov. Paper copies using USDA CSREES-derived SF 424 R&R forms will be used. CSREES has developed [form-fillable PDF equivalent](#) to the Grants.gov forms. There are some limitations to these forms, most notably that you need appropriate Adobe PDF writer software to save filled out forms. If all you have is Adobe Acrobat Reader you can fill the forms but you cannot save the completed forms. There are other shortcomings to the CSREES PDF forms listed at their link.

### Transitioning to Grants.gov

Your tax dollars at work. Beginning this year, more and more grant proposals will be submitted electronically via [Grants.gov](#). To fill out the SF 424 R&R forms, you need to download the [PureEdge Viewer](#) to access the forms. National Science Foundation is [transitioning away](#) from FastLane to Grants.gov. Beginning in FY 2006 (federal), many NSF programs will require submission via Grants.gov; for others submission via Grants.gov will be optional. Here is a [list](#) of these NSF programs. Most programs in USDA CSREES, including all National Research Initiative (NRI) grants, will be submitted electronically via Grants.gov. Here is a list of the [USDA CSREES programs](#) to be submitted electronically. Some programs may have an option to submit by paper, but most will not. Department of Education is also transitioning to Grants.gov. and the Department of Energy requires all proposals to be submitted via Grants.gov. EPA grants appear to be continuing with their paper submissions.

# FY 2006 second best ever!

# FY 2007 off to a great start!!

By Doug Vincent  
Special Program Director for Grants and Contracts

**O**ur college had its second best year ever in extramural grants and contracts. Although we just fell shy of the \$20M mark, we did remarkably well with 171 extramural grants and contracts at \$19,860,322 in FY 2006. We exceeded FY 2005 by 38 more grants and \$3,261,474 additional funds. Congratulations to all the hardworking, creative faculty and staff that were successful in obtaining these awards. And many thanks to all those who facilitated the paperwork on these grants!

Four faculty members each brought in over \$1M each in grants and contracts. Another 31 faculty and staff brought in \$100,000 each or more. CTAHR's Center on the Family brought in nearly \$5M in grants and contracts; Tropical Plant and Soil Sciences had nearly \$4M in awards and Plant and Environmental Protection Sciences brought in \$2.7M. The distribution was not limited to rank 5 full professors. Researchers, professors, extension specialists and agents at all ranks – even APTs – were successful in finding funding. Awards ranged from \$900 for Intergenerational Programs on Maui to \$2.8 M for the USAID Soil Management CRSP. Big or small, the efforts put forth by these creative faculty and staff members to obtain funding for these programs should be applauded. Well done to all of you.

As the saying goes, “what have you done for me lately?” Well, not bad so far!! As for FY 2007, we are off to a great start. In the six weeks of the fiscal year, CTAHR has brought 21 new awards for over \$2.7 M. Those awards, plus some from the previous fiscal year that we missed in our May/June edition of CRN are listed below. Please take some time and congratulate your colleagues on their considerable efforts.

#### **Harry Ako (MBBE)**

Identifications of Shrimp Muscle Regulatory Genes. *DA-Dept of Agriculture*. \$58,824.

#### **HC (Skip) Bittenbender (TPPS)**

Hawaii State-wide Cacao Trial. *Hawaii-Dept of Agriculture*. \$38,878.

#### **James Carpenter (HNFAS)**

Effects of Dietary Fat Level on Body Composition, Blood Metabolites, Rate of Passage, and Nutrient Assimilation Efficiency in Harbor Seals. *Alaska SeaLife Center*. \$37,000.

#### **David Christopher (MBBE)**

Defining the Subcellular Locations and Biochemical Function of Cyclic Nucleotide Gated Channels in Plants. *DOE-Dept of Energy*. \$49,981.

#### **Jonathan Deenik (TPSS)**

SARE Professional Development Program for Hawaii. *Univ of Wyoming*. \$16,000.

Characterizing Nitrogen Mineralization and Plant N Supply from Animal Manures and Effluent in Hawaii's Soils. *DA-Natural Resources Conservation Service (NRCS)*. \$41,675.

Soil Organic Matter Management to Improve Soil and Crop Quality on Intensive Vegetable Farms in Hawaii. *DA-Cooperative State Research Service*. \$66,004.

#### **Samir El-Swaify (NREM)**

Hawaii-Iraq Partnership for Revitalizing Kurdistan Agricultural Higher Education and Development (KAHEAD). *Kurdistan Regional Government*. \$1,246,647.

#### **Carl Evensen (NREM)**

Water Quality Research and Extension Coordination in Hawaii. *Univ of Arizona*. \$6,918.

#### **Declan Fallon (PEPS)**

Pickleworm Control in Cucumber, Zucchini, and Kabocha Squash. *Hawaii-Dept of Agriculture*. \$24,500.

Rhabditid Nematodes and Antagonists in Suppression of Plant-Parasitic Nematodes. *DA-Cooperative State Research Service*. \$69,532.

#### **Ali Fares (NREM)**

Water Management Software to Estimate Crop Irrigation Requirements for Consumptive Use Permitting in Hawaii. *Hawaii-Dept of Land & Natural Resources*. \$93,500.



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**JB Friday (NREM)**

Developing Productivity Models and Silvicultural Guidelines for Growing and Managing the Native Hawaiian Hardwood Acacia Koa. *DA-Dept of Agriculture*. \$54,758

**J Kenneth Grace (PEPS)**

Risk Assessment and Integrated Termite Management Strategies for Hawaii and Pacific Basin. *DA-Dept of Agriculture*. \$113,891.

**Arnold Hara (PEPS)**

Management of the Invasive Erythrina Gall Wasp, *Quadrastichus erythrinae* Kim (Hymenoptera: Eulophidae) on Native and Landscape Erythrina spp. *Hawaii-Dept of Land & Natural Resources*. \$22,000.

**Andrew Hashimoto (Admin)**

Biofuels Market Overview. *Kamehameha Schools*. \$36,989.

**Cerruti Hooks (PEPS)**

Disease Spread, Transmission, Virulence and Competition: Further Studies on Banana Bunchy Top Virus in Hawaii. *DA-Cooperative State Research Service*. \$59,710.

**John Hu (TPSS)**

Environmental-Friendly Strategies for Management of Mealybugs, Ants, ampeloviruses, and Mealybug Wilt of Pineapple. *DA-Cooperative State Research Service*. \$40,000.

**Naomi Kanehiro (HNFAS)**

Nutrition Consultation and Review for Licensed Child Care Providers and Child Care Licensing Staff. *Hawaii-Dept of Human Services*. \$100,000.

UH-CTAHR Cooperative Extension Service - Nutrition Service for Older Adults. *Hawaii-Executive Office on Aging*. \$35,000.

**Michael Kawate (PEPS)**

Decision Support Systems to Identify and Prioritize Pest Management Needs for Turfgrass, Cucurbits, and Potted Orchids. *DA-Cooperative State Research Service*. \$56,239.

**Charles Kinoshita (Admin)**

Banagrass Co-Firing Analysis. *Black and Veatch*. \$3,500.

**Yong Li (HNFAS)**

Survival, Recovery, and Quantification of Target Pathogenic Bacteria in Pineapple, Guava and Orange Juices. *DA-Cooperative State Research Service*. \$61,095.

**Qingxiao Li (MBBE)**

Biotic and Abiotic Attenuation of Nitrogenous Energetic Compounds (NEC) in Coastal Waters and Sediments. *DOD-Naval Research Laboratory*. \$35,895.

Contaminant Burdens and Protein Responses in Alaskan Steller Sea Lion and Northern Fur Seal. *Alaska SeaLife Center*. \$100,000.

**Tomoaki Miura (NREM)**

Multi-sensor Translation of EOS Reflectance and Vegetation Index Products for Long Term Continuity with AVHRR: EOS Science Proposal. *Nat'l Aeronautics & Space Administration*. \$100,310.

**Robert Paull (TPSS)**

Construction of a Molecular Cytogenetic Map of Papaya Chromosomes. *DA-Cooperative State Research Service*. \$76,797.

**Sabina Swift (TPSS)**

An Outreach Program for Socially Disadvantaged Filipino Growers of Hawaii. *DA-Cooperative State Research Service*. \$296,593.

**Glenn Taniguchi (PEPS)**

Field Efficacy Studies for Control of the Little Fire Ant, *Wasmannia auropunctata*, with Amdro, Esteem and Justice/Conserve Ant Baits. *Hawaii-Dept of Agriculture*. \$85,743.

**Janice Uchida (PEPS)**

Effective Strategies for Sustainable Vanilla Production in Hawaii. *DA-Dept of Agriculture*. \$48,783.

**Hector Valenzuela (TPSS)**

Introduction of New Crop Varieties and Improved Management Techniques for the Production of Specialty Melons, Tomato, Pepper, and Dioscorea Yams. *Hawaii-Dept of Agriculture*. \$36,000.

**Charles Weems (HNFAS)**

Luteal and Endometrial LH Receptor Function Modulated by PGE1, PGE2, PGF2a, and Estrogen. *DA-Dept of Agriculture*. \$96,679.

**Ania Wieczorek (TPSS)**

Communication in Agricultural Biotechnology. *DA-Dept of Agriculture*. \$56,407.

Development of Unique Molecular Markers for Rapid Identification of Potentially Invasive Weeds in Hawaii. *DA-Dept of Agriculture*. \$80,671.

**Mark Wright (PEPS)**

Exploration, Genetic Characterization, and Host Range Testing of Parasitoids of the Erythrina gall Wasp, *Quadrastichus erythrinae* Kim. *Hawaii-Dept of Land & Natural Resources*. \$45,000.

**Jinzeng Yang (HNFAS)**

Role of Muscle Growth in Preventing Obesity and Diabetes. *HCF-Hawaii Community Foundation - General Fund*. \$49,350.

**Ping-Yi Yang (MBBE)**

A Long Term Operational Behavior for an Innovative Bioreactor Integrating Existing System for Treatment/Reuse of Milk Parlor Wastewater-A Case Study. *Hawaii-Dept of Agriculture*. \$24,500.

**Russell Yost (TPSS)**

Demonstrating Watershed Participatory Assessment and Action. *Hawaii-Dept of Health*. \$223,873.

**Sylvia Yuen (CoF)**

Services to Evaluate and Monitor Substance Abuse Service Outcomes and Process Evaluation Activities of the Alcohol and Drug Abuse Division Funding. *DOH-Alcohol & Drug Abuse Division*. \$150,563.

**Shaobin Zhong (PEPS)**

Molecular Detection and Host Resistance of Ohia Rust in Hawaii. *Hawaii-Dept of Agriculture*. \$24,500.

Molecular Identification and Characterization of *Fusarium oxysporum* f. sp. *koae*, the Causal Agent of Koa Wilt in Hawaii. *DA-Cooperative State Research Service*. \$67,935.

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## New grants here!

Hawaii Tourism Authority  
County Product Enrichment Program (CPEP) 2007

**Deadline: August 28, 2006**

Oahu County: [http://www.hawaiitourismauthority.org/pdf/Oahu\\_CPEP\\_RFP\\_Information\\_Packet\\_2007.pdf](http://www.hawaiitourismauthority.org/pdf/Oahu_CPEP_RFP_Information_Packet_2007.pdf)

Hawaii County:  
[http://www.hawaiitourismauthority.org/pdf/Hawaii\\_2007\\_CPEP\\_Application\\_Packet.pdf](http://www.hawaiitourismauthority.org/pdf/Hawaii_2007_CPEP_Application_Packet.pdf)

Kauai County:  
[http://www.hawaiitourismauthority.org/pdf/Kauai\\_CPEP\\_RFP\\_Information\\_Packet\\_2007.pdf](http://www.hawaiitourismauthority.org/pdf/Kauai_CPEP_RFP_Information_Packet_2007.pdf)

Maui County:  
[http://www.hawaiitourismauthority.org/pdf/Maui\\_RFP\\_Information\\_Packet\\_2007.pdf](http://www.hawaiitourismauthority.org/pdf/Maui_RFP_Information_Packet_2007.pdf)

National Oceanic and Atmospheric Administration  
Bay Watershed Education and Training Hawaii Program

**Deadline: August 30, 2006**

<http://www.grants.gov/search/downloadAtt.do?attId=6076>

National Fish and Wildlife Fund  
U.S. Department of Agriculture  
Natural Resource Conservation Service  
Conservation on Private Lands

**Deadline for Pre-proposals: September 1, 2006**

<http://www.nfwf.org/programs/nrcsnacd.cfm>

U.S. Department of Agriculture - CSREES  
Small Business Innovation Research (SBIR) Program

**Deadline: September 1, 2006**

<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1220>

Environmental Literacy Grants

**Deadline for Letter of Inquiry: September 1, 2006**

<http://www.starbucks.com/aboutus/grantinfo.asp?cookie%5Ftest=1&fav%5Ftest=1>

Hawaii Community Foundation  
Cooke Foundation, Limited (Hawaii)

**Deadline: September 1, 2006**

<http://www.hawaiicommunityfoundation.org/cooke/index.php>

Hawaii Community Foundation  
Victoria S. and Bradley L. Geist Foundation: Persons in Need

**Deadline: September 1, 2006**

[http://www.hawaiicommunityfoundation.org/doc\\_bin/grant\\_rfps/RFP-gstpinrfp07.doc](http://www.hawaiicommunityfoundation.org/doc_bin/grant_rfps/RFP-gstpinrfp07.doc)

Laura Jane Musser Fund

Collaborative Process in Environmental Decision Making

**Deadline: September 5, 2006**

<http://www.musserfund.org/environmental.htm>

Laura Jane Musser Fund Rural Initiative

**(Hawaii is a specific target)**

**Deadline: September 5, 2006**

[http://www.musserfund.org/rural\\_initiative.htm](http://www.musserfund.org/rural_initiative.htm)

National Oceanic and Atmospheric Administration  
Hydrologic Research

**Pre-proposals deadline: September 15, 2006**

<http://www.grants.gov/search/search.do?oppld=10033&mode=VIEW>

Hawaii Tourism Authority  
Hawaiian Culture Program

**Deadline: September 15, 2006**

<http://www.hawaiitourismauthority.org/pdf/Hawaiian%20Culture%20Program.pdf>

Hawaii Tourism Authority  
Natural Resources Program

**Deadline: September 15, 2006**

<http://www.hawaiitourismauthority.org/pdf/Natural%20Resources%20Program.pdf>

National Institutes of Health  
Comparative Biology Elucidation of Environmental  
Pathways and Susceptibility (RO1)  
**Deadline: September 19, 2006**  
<http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-06-004.html>

National Science Foundation  
Undergraduate Research and Mentoring in the Biological  
Sciences  
**Deadline: September 19, 2006**  
[http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf06591](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf06591)

U.S. Department of Commerce  
National Institute of Standards and Technology (NIST)  
Small Grants Program  
**Deadline: September 20, 2006**  
<http://www.grants.gov/search/search.do?oppld=7452&mode=VIEW>

U.S. Environmental Protection Agency  
Interpretation of Biomarkers Using Physiologically Based  
Pharmacokinetic Modeling  
**Deadline: September 26, 2006**  
[http://es.epa.gov/ncer/rfa/2006/2006\\_star\\_pbk\\_modeling.html](http://es.epa.gov/ncer/rfa/2006/2006_star_pbk_modeling.html)

U.S. Environmental Protection Agency  
Market Mechanisms and Incentives: Case Studies and  
Experimental Testbeds for New Environmental Trading  
Programs:  
**Deadline: September 27, 2006**  
[http://es.epa.gov/ncer/rfa/2006/2006\\_star\\_mmi.html](http://es.epa.gov/ncer/rfa/2006/2006_star_mmi.html)

Hawaii Community Foundation  
2006 Tobacco Trust Fund  
Preventing Tobacco Initiation Among Youth and Young  
Adults  
**Deadline: September 27, 2006**  
[http://www.hawaiicommunityfoundation.org/doc\\_bin/grant\\_rfps/RFP-2006YouthPrevention-FINAL.doc](http://www.hawaiicommunityfoundation.org/doc_bin/grant_rfps/RFP-2006YouthPrevention-FINAL.doc)

Hawaii Community Foundation  
2006 Tobacco Trust Fund  
Tobacco Cessation Programs and Services  
**Deadline: September 27, 2006**  
[http://www.hawaiicommunityfoundation.org/doc\\_bin/grant\\_rfps/RFP-2006CESSATIONRFP-FINAL.doc](http://www.hawaiicommunityfoundation.org/doc_bin/grant_rfps/RFP-2006CESSATIONRFP-FINAL.doc)

Hawaii Community Foundation  
ChevronTexaco Hawaii Education Fund – Science  
Education  
**Deadline: September 29, 2006**  
[http://www.hawaiicommunityfoundation.org/doc\\_bin/grant\\_rfps/RFP-Chevronapplication2006-07.doc](http://www.hawaiicommunityfoundation.org/doc_bin/grant_rfps/RFP-Chevronapplication2006-07.doc)

U.S. Fish and Wildlife Service  
Partners for Fish and Wildlife Program  
**Deadline: September 30, 2006**  
<http://www.fws.gov/partners/pdfs/grantsgov06partners.pdf>

National Oceanic and Atmospheric Administration  
Monitoring and Event Response for Harmful Algal Blooms  
(MERHAB)  
**Deadline: October 2, 2006**  
<http://www.grants.gov/search/search.do?oppld=9904&mode=VIEW>

Hawaii Community Foundation  
Leahi Fund – Research  
**Deadline: October 2, 2006**  
[http://www.hawaiicommunityfoundation.org/doc\\_bin/grant\\_rfps/RFP-LeahiResEdRFP\\_2006revisedJune.pdf](http://www.hawaiicommunityfoundation.org/doc_bin/grant_rfps/RFP-LeahiResEdRFP_2006revisedJune.pdf)

National Science Foundation  
International Research Fellowship Program (IRSP)  
**Deadline: October 3, 2006**  
[http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf06582](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf06582)

National Science Foundation  
Plant Genome Research Program (PGRP)  
**Deadline: October 6, 2006**  
[http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf06581](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf06581)

National Science Foundation  
U.S. Department of Agriculture, CSREES NRI  
Interagency Microbial Observatories Program  
**Deadline: October 9, 2006**  
<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1460>

Laura Jane Musser Fund  
Intercultural Harmony  
**Deadline: October 10, 2006**  
[http://www.musserfund.org/intercultural\\_harmony.htm](http://www.musserfund.org/intercultural_harmony.htm)

U.S. Department of Agriculture  
Rural Housing Service  
Rural Community Development Initiative (RCDI)  
**Deadline: October 10, 2006**  
<http://www.rurdev.usda.gov/rd/nofas/2006/071206rcdi.pdf>

National Science Foundation  
Partnerships for International Research and Education  
**Pre-proposals due: October 30, 2006**  
[http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf06589](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf06589)

National Oceanic and Atmospheric Administration  
National Marine Fisheries Service  
FY 2007 Community-based Marine Debris Prevention and  
Removal Project Grants  
**Deadline: October 30, 2006**  
<http://www.grants.gov/search/search.do?oppld=9890&mode=VIEW>

U.S. Department of Agriculture- CSREES  
Animal Biosecurity Coordinated Agricultural Projects (CAP)  
**Deadline: October 31, 2006**  
<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1522>

U.S. Department of Agriculture  
Western Regional Sustainable Agricultural Research and  
Education (SARE)  
Professional Development Program  
**Deadline: November 1, 2006**  
[http://wsare.usu.edu/grants/docs/req\\_pd\\_07.pdf](http://wsare.usu.edu/grants/docs/req_pd_07.pdf)

National Gardening Association  
Home Depot  
Youth Garden Grant Program  
**Deadline: November 1, 2006**  
<http://www.kidsgardening.com/grants.asp>

National Oceanic and Atmospheric Administration  
National Estuarine Research Research Graduate Research  
Fellowship Program FY07  
**Deadline: November 1, 2006**  
<http://www.grants.gov/search/search.do?oppld=9978&mode=VIEW>

National Science Foundation  
Minority Postdoctoral Research Fellowship and Supporting  
Activities  
**Deadline: November 6, 2006**  
[http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf06586](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf06586)

National Oceanic and Atmospheric Administration  
General Coral Reef Conservation  
**Deadline: November 10, 2006**  
<http://www.grants.gov/search/search.do?oppld=9924&mode=VIEW>

National Oceanic and Atmospheric Administration  
Coral Reef Ecosystems Studies (CRES)  
**Deadline: November 13, 2006**  
<http://www.grants.gov/search/search.do?oppld=9900&mode=VIEW>

U.S. Department of Agriculture  
Western Regional Sustainable Agricultural Research and  
Education (SARE)  
Farmer Rancher Grants  
**Deadline: December 6, 2006**  
[http://wsare.usu.edu/grants/docs/req\\_fr\\_07.pdf](http://wsare.usu.edu/grants/docs/req_fr_07.pdf)

U.S. Department of Agriculture  
Western Regional Sustainable Agricultural Research and  
Education (SARE)  
Professional + Producer Grants  
**Deadline: December 6, 2006**  
[http://wsare.usu.edu/grants/docs/req\\_pp\\_07.pdf](http://wsare.usu.edu/grants/docs/req_pp_07.pdf)

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### Ali Fares (NREM)

Alva, A.K., S. Paramasivam, A. Fares, T.A. Obreza, and A.W. Schumann. 2006. Nitrogen Best Management Practice for Citrus Trees: II. Nitrogen fate, transport, and components of N budget. *Scientia Horticulturae*. 109:223-233.

Fares, A. and V.O. Polyakov. 2006. "Advances in Crop Water Management Using Capacitive Water Sensors." In D. Sparks (ed.) *Advances in Agronomy*. Vol.90, Academic Press, Amsterdam, The Netherlands.

Fares, A., Hamdhani, H., and H. Valenzuela. 2006. Real-time soil water monitoring for optimum water management. *JAWRA Sustainable Watershed Special Issue*, 2006.

Fox, R.L., A. Fares, Y. Wan and C.I. Evensen. 2006. Comparative Phosphorus Sorption by Marine Sediments and Agricultural Soils in a Tropical Environment. *Journal of Environ. Sci. and Health, Part A, Toxic/Hazardous Substance & Environ. Eng.*, 41:1-18, 2006.

Elrashidi, M.D. Mays, A. Fares, C. Seybold, and S.D. Peaslee. 2005. Loss of Nitrate-Nitrogen by Runoff and Leaching for an Agricultural Watershed in Southeast Nebraska. *Soil Science*. 170(7):543-558, July 2005.

Alva, A.K., S. Paramasivam, A. Fares, A.J. Delgado, D. Mattos, Jr. and K. Sajwan. 2006. "Nitrogen and irrigation management practices to improve nitrogen uptake efficiency and minimize leaching losses." In A. Basra and S. Goyal (ed.) *Enhancing the Efficiency of Nitrogen Utilization in Crops*. Haworth's Food Products Press, Binghamton, New York. 479 pp.

Delgado, A.J., A.K., Alva, A. Fares, S. Paramasivam, D. Mattos, Jr. and K. Sajwan. 2006. "Numerical modeling to study the fate of nitrogen in cropping systems and best management case studies." In A. Basra and S. Goyal (ed.) *Enhancing the Efficiency of Nitrogen Utilization in Crops*. Haworth's Food Products Press, Binghamton, New York. 479 pp.

**J. B. Friday (NREM)**

Joshua H. Goldstein, Gretchen C. Daily, James B. Friday, Pamela A. Matson, Rosamond L. Naylor, and Peter Vitousek. 2006. Business strategies for conservation on private lands: Koa forestry as a case study. *Proceedings of the National Academy of Sciences USA* Vol. 103 no. 26, 10140–10145.

**J. Kenneth Grace (PEPS)**

Higashiguchi, D.T., C. Husseneder, J.K. Grace, and J.M. Berestecky. 2006. *Pilibacter termitis* gen. nov. sp. nov., a novel lactic acid bacterium from the hindgut of the Formosan subterranean termite (*Coptotermes formosanus*). *International Journal of Systematic and Evolutionary Microbiology* 56: 15-20.

E. L. Vargo, C. Husseneder, D. Woodson, M. G. Waldvogel and J. K. Grace. 2006. Genetic analysis of colony and population structure of three introduced populations of the Formosan subterranean termite (Isoptera: Rhinotermitidae) in the continental United States. *Environmental Entomology* 35: 151-166.

Tsunoda, K., A. Byrne, P.I. Morris, and J.K. Grace. 2006. Performance of borate-treated lumber after 10 years in a protected, above-ground field test in Japan (final report). *International Research Group on Wood Protection*. Stockholm, Sweden. IRG/WP 06-30395. 8 pp.

Grace, J.K., A. Byrne, P.I. Morris, and K. Tsunoda. 2006. Performance of borate-treated lumber after 8 years in an above-ground termite field test in Hawaii. *International Research Group on Wood Protection*. Stockholm, Sweden. IRG/WP 06-30390. 8 pp.

**Scot Nelson (PEPS)**

Nelson, Scot C. 2006. Grafting of *Acacia koa* Gray onto young *Acacia* seedlings. *Native Plants Journal* 7(2):137-140.

**Pratibha Nerurkar (MBBE)**

Pratibha V. Nerurkar, Yun Kyung Lee, Ellen H. Linden, Steven Lim, Laurel Pearson, Jennifer Frank and Vivek R. Nerurkar. 2006. Lipid lowering effects of *Momordica charantia* (Bitter Melon) in HIV-1-protease inhibitor-treated human hepatoma cells, HepG2. *British Journal of Pharmacology* (2006) 148:1156-1164.

**Dan Rubinoff (PEPS)**

Rubinoff, D. 2006. Utility of Mitochondrial DNA Barcodes in species conservation. *Conservation Biology* 20:1026-1033.

**Ania Wieczorek (TPSS)**

Johannes J. Le Roux, Ania M. Wieczorek, Mohsen M. Ramadan, and Carol T. 2006. Tran. Resolving the native provenance of invasive fireweed (*Senecio madagascariensis* Poir.) in the Hawaiian Islands as inferred from phylogenetic analysis. *Diversity and Distributions* 31-Jul-2006, doi: 10.1111/j.1366-9516.2006.00271.x

Peter Münster and Ania M. Wieczorek. 2006. Potential gene flow from agricultural crops to native plant relatives in the Hawaiian Islands. *Agriculture, Ecosystems and Environment* (2006), doi:10.1016/j.agee.2006.06.014.