

# CTAHR RESEARCH NEWS

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Shu Hwa Lin reviews some of the bags developed by her students.

**Applied textile research: from field to runway**

**Board of Advisors and UHM Chancellor visit**

**Hints on grant writing**

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# From the Associate Dean and Associate Director for Research

This month we are pleased to have Dr. Shu Hwa Lin of Family and Consumer Sciences Department (FCS) showcase some of the exciting projects she and her students have been creating lately. Although Dr. Lin is relatively new to our college, she has developed an active integrated program (research and teaching) drawing from her private industrial experience and academic training. She has conducted research examining textile yarn and fabric structure, embroidery design, and accompanying stitches and motifs to determine the political rank and historical significance of the Chinese imperial robes in CTAHR's costume collection, which she currently maintains. Dr. Lin has set up a fully functional textile testing laboratory with equipment capable of studying air permeability, abrasion and flammability of textiles, and she has established commercial test protocols for these testing equipment. This laboratory is being used to analyze tropical fabrics and to teach students professional-level textile testing in real-world business settings. Check out these links to related websites:

- Costume collection:  
<http://www2.ctahr.hawaii.edu/costume/>
- Shu Hwa Lin's page:  
<http://www2.hawaii.edu/~shulin/>

Although many people associate CTAHR with agriculture, as you will see our college is clearly more than just agriculture. Some of our faculty, staff and students love to play in dirt (soil) while others are equally successful, happy and have a great impact when they indulge their creativity with fabrics.

Doug Vincent covers the October 1st CTAHR Board of Advisors meeting, during which Dean Hashimoto provided

our advisors updates and anticipated challenges and opportunities. Chancellor Virginia Hinshaw joined our advisors for an afternoon tour of college facilities, in which faculty, staff and students provided Dr. Hinshaw a snap shot of exciting research and educational programs conducted on campus. Of particular interest in Doug's "Calabash," is his piece on the lifting of moratorium on the processing of new and renewal permit for importing microorganisms. We have been working very hard with HDOA, with the assistance from vice president and vice chancellor's offices to resolve this thorny issue, and are pleased with its successful resolution.

Among all the good news we found one alarming one: the loss of federal special grants finally is reflected in our monthly award data. We have anticipated this to happen, but still is hard to accept. We will continue to see this trend in the coming months, and stress the need to beef up our grant writing activities to fill gaps in our grant intake.

Please continue to send me your new publications as soon as they are in print, full citation please, and invite us into your laboratory when you are ready to share your work with *CRN* readers.



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# From the field to the runway: Eco-fashion is trendy

By Shu Hwa Lin  
Assistant Professor  
Department of Family and Consumer Sciences



**Tote bag design team.**  
Back (l-r): Keith Nishida (California), Megan Martin (California), Rita Blaise (Washington state), Minako McCarthy (Japan).

Front (l-r): Shu Hwa Lin (Taiwan) and Karen Kamahela (Hawaii).



Although organic cotton textiles were introduced to the market by European and USA clothing companies more than two decades ago, it is only recently that a substantial consumer market for organic products has become established in the popular marketplace. An Organic Trade Association study showed that the 2003 sales volume for organic fibers of \$85 million was a 23% increase over sales for organic fibers in 2002. Organic cotton was the most popular organic fiber that consumers sought and purchased.

Cotton has been used for more than five thousand years and is currently used in the most popular and common household and store merchandise items. However, not more than two years ago, a casual look

at the apparel inventories of major island retailers revealed limited investment in organic cotton goods. Two years ago I led an organic cotton survey project which discovered that less than 20% of Hawaii residents owned organic cotton items. At the time, there were only a few island brands which carried limited organic cotton items and a small number of apparel companies that offered organic cotton goods online. As consumer awareness of environmental issues increased, more local carriers, such as Quicksilver and Patagonia, however, began offering some organic cotton items. Whereas only department and specialty stores used to carry organic cotton items, consumers can now find

organic cotton products in mainstream apparel stores such as Nike, green e label Levi Jeans and the Gap. Even large retail stores such as Wal-Mart carry organic cotton items. We are moving into an eco-fashionable world.

Patterns of development for the organic food industry are also present in the development of consumer markets for organic cotton, with the market for organic cotton expected to develop in ways comparable to the market for organic farm products. It is evident that the organic farm products market has grown substantially in the past few years in Hawaii. Organic vegetables, once available only in the produce departments of alternative health grocers such as Down To Earth and the Co-op, are now highly visible in the inventories of all of Hawaii's mainstream grocers. Recently, Star Market, Foodland, Safeway, and Times Market chains have reoriented their purchasing, display, and marketing strategies to emphasize organic and gourmet foods. With the appropriate strategies, a comparable local market could be developed for apparel and apparel-related goods fabricated from organic cotton. This growth potential provides a unique opportunity for Hawaii to develop a niche in the organic fibers market before it is established elsewhere.

At UH-Manoa, more than 100 undergraduate students majoring in Apparel Product Design & Merchandising have been trained to be aware of eco-product market trends. As part of the APDM 411 Production Data Management course over the summer, I assigned an eco-friendly organic cotton tote bag APDM fundraising project, which led to many lovely student designs. I have also guided several students through the APDM 499 independent study course to design and create eco-fashion projects, using natural dyes such as coffee stains. Following are five examples of coffee stain, green, and flower motifs, comprising three student projects and two personal projects.



Designer totes are just one project in Shu Hwa's lab.

### ***Vanilla Cappucino***

*Vanilla Cappucino* was conceptualized by Minako McCarthy and won the Best Student Design Award at the 2007 annual meeting of the American Association of Family & Consumer Sciences. The challenge for the *Vanilla Cappucino* project was to produce golden colored material by using natural dyestuffs, as well as to create a sumptuous seamless



underarm cowl. Minako drew inspiration from a coffee stain, which produced a variety of colors with different materials. After experimenting with several materials, we selected 100% satin luster silk for the rich vanilla cappuccino color produced by the natural dyeing of coffee. The purpose of the dress was to show the gorgeous color and its fabrication resulting from the use of natural fiber and natural dyeing. As a result, all of the fabric and lace were dyed with coffee, which caused the silk to become soft and creamy. The cotton/polyester lace became a slightly lighter color than the silk because of the different fiber content, which caused the lace to accent the dress even further.

A maximum length dress with an underarm cowl and a turtleneck collar with a bowtie were designed to enhance the significance of the coffee-dye coloring. The collar was attached to the front and back bodice yokes

with accenting lace. An eight-paneled gore silhouette skirt was alternately placed on dirndl and plain panels, which created a lustrous shadow. Eleven hand-made knots and bias loops with the satin fabric in the back bodice, plus a zipper closure in the skirt, showed the dress's versatility as well as its elegance.

The bodice and collar patterns were created by the draping technique. It was essential to delicately execute the pattern of the seamless underarm cowl because of the prominent appearance of the dress. Using a true bias to create the underarm cowl enhanced the fabric's luster characteristic. The eight-paneled skirt pattern was made from the flat pattern method. Calculating the necessary amount of gather was done several times to create the attractive shadow.



panels were created with spaghetti straps. Hand-made knotted buttons and loops were placed on the back closure. A total of 17 skirt panels were created with a light coffee stain, with gathered panels alternately placed on the skirt.



### ***Kona Dream***

The ***Kona Dream*** project, also created by Minako McCarthy, attempted to use Kona coffee to explore different shadings of dyeing silk fabric. The concept behind ***Kona Dream*** was to convey the creamy sweet and bitter dimensions of Kona coffee's rich colors.



One hundred percent silk was used to create two variations of colors by the dyeing of natural coffee. An asymmetrical design camisole was made from two shades of coffee stains. The right front and back panels were constructed with a quilt-like textile, with the darker panels gathered up and the lighter one left flat. The left front and back

### ***Fresh Cool Mint***

May Y. Caneso was inspired to create the ***Fresh Cool Mint*** project from the vibrant colors and elegant shapes of natural leaves, with the green leaves of the garment resulting in a graceful and flowing effect. The purpose of the garment was to show off the beautiful shapes of the leaves and to present a cool, fresh and lightweight feeling, like mint in one's mouth.



We began the design process with a pattern of leaves laid out on a screen for screen printing. The screen printing was developed, created, and implemented using a leaf motif assembled from maple, oak, autumn, fern and mulberry leaves. Each different type of leaf was compiled together to create a beautiful pattern for the garment. The garment itself was dyed in a mint green color to replicate the colors of the leaves

The techniques that were used to create this piece included screen printing, fabric dyeing, machine sewing, hand stitching, and draping. The leaves pattern was screen printed on a silky olive green fabric, with each shape individually cut out from the fabric. The leaf cut-outs were then placed on water soluble paper, stitched together, and made into the first layer of the bodice. One hundred percent pure China silk fabric and an organza material were then dyed into the green leaf color to produce the same color as the leaves. The organza turned a darker green shade while the silk turned a lime green color. The lime green silk fabric was then draped around the waist. Another design pattern of leaves was created on a different screen to add elegance to the layers of the skirt in the center front and along the side and bottom edges of the garment. For the top, organza fabric was wrapped around the stitched leaves and tied in two knots at the back, creating a cool sheer effect that accentuated the vibrant green color as well as the lovely leaf pattern



The materials used to create this garment were China silk, organza and olive green satin fabric, screen print, green fabric paint, thread, water soluble paper, green leaf dye powder, beads, hook and eyes.

### ***Flower Bud***

I designed this project several years ago and presented it at an annual meeting of the International Textiles & Apparel Association. The concept behind ***Flower Bud*** was to portray the green bud of a flower while designing a fully lined strapless dress for the contemporary market. The bell shape simulated the image of the flower bud;

vertical tucks were designed to simulate the image of the stipules. The curved ruffle was used to represent the calyx. I used 100% green silk unbalanced plain weave fabric with a lengthwise ribbed effect, and a six piece pattern consisting of two rectangles, three facings, and an oval bias cut ruffle.



Construction techniques included two rectangles and a total of sixteen tucks to create the fitted bodice.



Vertical released tucks were developed in the seams, with an upward curving gathered bias cut ruffle set in the bust line. The lace lining ruffle supported the shape, and draping and a flat pattern were used to complete the garment.

### ***Tulip Garden Under the Fence***

The beauty of the tulip inspired me to create the design ***Tulip Garden Under the Fence***, which I presented at an annual meeting of the American Association of Family & Consumer Sciences. My goal was to use fitting techniques incorporating draping and straight ribbon application in one of a series of designs for the contemporary designer market.

The design incorporated a combination of draping and flat pattern techniques



using a pink, 100% polyester woven crepe and a pink colored cotton blend organdy. The lining was 100% acetate and the ribbons were 100% polyester of both plain and satin weaves. Nylon tulle was used to create a shirred tiered underlining skirt and to support the pouf skirt.



Draping techniques were used to create the interfacing of the bodice and flat pattern techniques were used to create the skirt and lining.

The body of the garment entailed draping and straight ribbon application, with the straight ribbon on

the bodice and the gathered pouf skirt representing the garden fence. The strapless bodice was draped crepe and two tucks and twenty-seven 7/8" wide straight ribbons formed the fitted midriff. The center back was closed with two hooks and eyes and the skirt construction consisted of six panels separated by straight ribbons. Hand-painted tulips and 3D appliqué embroidery were used to decorate the panels. The skirt was supported by a ruffle of nylon netting.

It has been a real pleasure to work with talented students who accept the challenges of exploring the eco-fashion trend using textile science knowledge and developing new concepts and products. Our department was especially excited to have six fashion design entries accepted to the ITAA annual meeting this fall in Los Angeles, CA. We have truly achieved above and beyond our expectations.



Shu Hwa Lin working on a design-flow project.

# The research calabash

By Doug Vincent  
Special Program Director for Grants and Contracts

## Update on Agricultural Appropriations Bill

Not yet. The federal government is still being funded by a Continuing Resolution, in place until November 16, 2007. Eight of the 12 appropriations bills have been passed by the Senate. S1859, the Senate Agriculture Appropriations Bill has yet to be passed by the Senate. The House has yet to convene any conference committees to work out differences between any of the bills passed. And the President continues to threaten vetoes of any appropriations bills that exceed his budget limits. The Congress is scheduled to adjourn on November 16, 2007 for the Thanksgiving/Christmas recess. It is likely that another Continuing Resolution will be passed to extend FY 2007 funding levels until January 2008, when the final FY 2008 budgets will be passed, either individually or as an omnibus spending bill. Déjà vu? We're treading the same path as last year when our earmarks were stripped out at the last minute. While we're optimistic that earmarks will still be included in the budget this year, one will never know until the budgets are passed.

## USDA CRIS AD-421 Annual Accomplishment / Final Reports – Due November 15, 2007

We are asking your kokua to complete USDA CRIS AD-421 Annual Accomplishment / Final Reports by **November 15, 2007**. Go here to access the reports: <http://cwf.uvm.edu/cris/>. Reports are due for Hatch, Hatch Multi-State, McIntire-Stennis and Animal Health projects. Also, if you have an older TSTAR or other state project, reports are due now. For USDA CSREES grant-funded projects with anniversary dates – please check them now. Reports are due 90 days from the anniversary date. The format has changed from previous years. Instead of progress and impacts – USDA is asking for **outputs** and **impacts/outcomes**. As before, USDA is asking for a list of **publications**. New this year is a second screen requesting information about **participants**, **target audiences** and **project modifications**. To read the new instructions for more details, go here: [http://www.ctahr.hawaii.edu/vincent/AD-421\\_Revised\\_Instructions\\_FY2007.pdf](http://www.ctahr.hawaii.edu/vincent/AD-421_Revised_Instructions_FY2007.pdf).

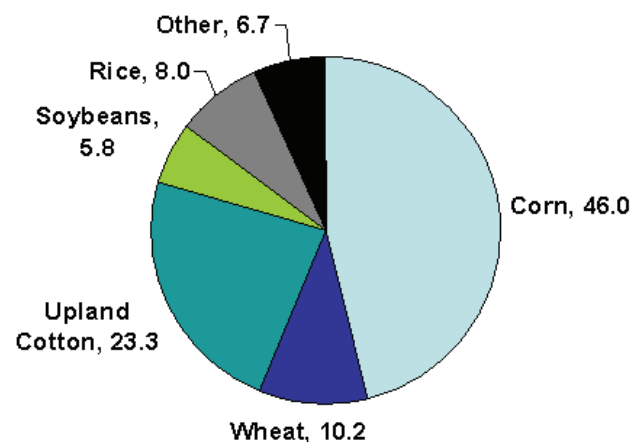
Help sessions were held but if you have questions about preparing the new forms, contact Doug Vincent at [vincent@hawaii.edu](mailto:vincent@hawaii.edu).

**Note:** Only the **outputs** and **impacts / outcomes** boxes require responses. If no progress has been made on the project, it is acceptable to say so in the outputs box. If the project has not had any impacts or outcomes, indicate so. Remember that outcomes/impacts should be written in the past tense. See the instructions for specific definitions.

## Farm Bill Update

Debate begins in earnest in the U.S. Senate about the Farm Bill. The Farm Bill provides authorizing language for many programs that shape agriculture, rural development, soil and water conservation and domestic food and agricultural foreign aid programs. The Senate Agriculture Committee finished up their farm bill on October 25, 2007. Debate moves to the Senate floor. Once the Senate passes the bill, then reconciliation with the House version must take place before final votes can be taken on the floors of each house and before it is sent to President. There will be considerable differences between the Senate and House versions. One of the differences that need to be ironed out are proposed caps on crop subsidy payments. The Farm Bill reauthorizes crop subsidy payments.

**Distribution of Payments, 2002-2005 Crops, Percent Share**



On the positive, the Senate bill has new funding for specialty crops, organic agriculture, bioenergy crops, and conservation programs. For the first time, the “blogosphere” has been tracking the progress of the



debate on the Farm Bill and keeping pressure on the Congress for change. Besides the mainstream media, several blogs with excellent perspectives on the farm bill are here:

Blog for Rural America: <http://www.cfra.org/blog>  
FarmPolicy.com: <http://www.farmpolicy.com/>  
Mulch: <http://www.mulchblog.com/>  
Brownfield Ag News: <http://www.brownfieldnetwork.com/>  
The Ethicurean: <http://www.ethicurean.com/>

### **UH NSF EPSCoR Meeting – November 6-9, 2007 – Very Soon!!**

UH System is hosting the National NSF EPSCoR Meeting November 6-9, 2007 at the Waikoloa Beach Marriott Resort on the Island of Hawaii. One day registration is available for UH Faculty. Go here for meeting information: <http://www.epscor07.com/>. The meeting title is: EPSCoR Leadership for Scientific Innovation, Collaboration and Enculturation. Agenda is here: [http://epscor07.tripod.com/sitebuildercontent/sitebuilderfiles/final\\_agenda\\_for\\_website\\_10.25.07.pdf](http://epscor07.tripod.com/sitebuildercontent/sitebuilderfiles/final_agenda_for_website_10.25.07.pdf).

So what the heck is EPSCoR and why should it be important to me as a CTAHR researcher? **EPSCoR** is an acronym for Experiment Program to Stimulate Competitive Research. Seven federal agencies have EPSCoR programs: NSF, NIH, Defense, USDA, NASA, Energy, and EPA. Briefly, the program was developed to assist smaller states that do not compete well with larger states with a strong history of receiving federal grant funding. **Hawaii is an EPSCoR state.** The programs vary from agency to agency. From some agencies, there may be block grants to the states for project funding or infrastructure development. The UH has a specific program funded through NSF and run through UH-Hilo. Go here for the Hawaii program: <http://www.epscor.hawaii.edu/>. In other EPSCoR programs, there may be special consideration in regular grants programs for applications from EPSCoR states. For example, in the USDA CSREES National Research Initiative Competitive Grants Program (NRI CG), applications from EPSCoR Institutions are eligible for Seed Grants, Research Career Enhancement Awards, and Strengthening Standard Research Project Awards.

Agency EPSCoR program Links:

NSF EPSCoR Program: <http://www.nsf.gov/od/oia/programs/epscor/about.jsp>  
NIH IDeA Program: [http://www.ncrr.nih.gov/research\\_infrastructure/institutional\\_development\\_award/index.asp](http://www.ncrr.nih.gov/research_infrastructure/institutional_development_award/index.asp)  
NASA EPSCoR Program: <http://calspace.ucsd.edu/epscor/>  
Energy EPSCoR Program: <http://www.science.doe.gov/EPSCoR/index.html>  
Defense DEPSCoR Program: <http://www.afosr.af.mil/pdfs/DEPSCoRBAA20078AUG.pdf>  
EPA EPSCoR Program: <http://es.epa.gov/ncer/other/>  
USDA EPSCoR Program: [http://www.csrees.usda.gov/funding/nri/nri\\_strengthening.html](http://www.csrees.usda.gov/funding/nri/nri_strengthening.html)

### **10<sup>th</sup> Biennial Hawaii SBIR and STTR Conference – Very Soon!!**

The 10<sup>th</sup> Biennial Hawaii SBIR and STTR Conference will be held across the state on **November 13-16, 2007**. If you have ever been interested in the federal Small Business Innovation Research (SBIR) and the Small Business Technology Transfer (STTR) programs, this conference is for you. Every federal agency that makes grant awards must set aside funding for small businesses and these programs can provide early-stage funding for small innovation-driven U.S. companies. The conference will provide information on writing SBIR phase I and phase II grants. Other topics include information about intellectual property rights and how to attract private investments. There will also be time to network with federal SBIR program managers to learn about the individual SBIR agency funding priorities. The conference is co-sponsored by Hawaii Technology Development Corporation (HTDC) and the HTDC-Manufacturing Extension Partnership. Other supporters are: Hawaii Strategic Development Corporation (<http://htdc.org/hSDC/index.html>); Hawaii Technology Development Venture (<http://www.hitdv.com/>); Enterprise Honolulu (<http://www.enterprisehonolulu.com/html/index.cfm>); UH Office of Technology Transfer and Economic Development (<http://www.mic.hawaii.edu/>); Maui Economic Development Board (<http://www.medb.org/>); Kauai Economic Development Board (<http://www.kedb.com/>); Hawaii Island Economic Development Board (<http://www.hiedb.org/>); and the Hawaii Small Business Development Center Network (<http://www.hawaii-sbdc.org/>).

#### Dates and Venues:

Oahu – Tuesday, November 13, 2007 – Sheraton Waikiki

Maui – Wednesday, November 14, 2007 – Wailea Beach Marriott Resort

Kauai – Thursday, November 15, 2007 – Hilton Kauai Beach Resort

Big Island (Kona side) – Friday, November 16, 2007 – Waikoloa Beach Marriott

This is a great opportunity – for a small state, Hawaii does very well in obtaining funding through these programs. HTDC maintains an office dedicated to helping SBIR/STTR applicants. For more information and to register – see the web site: [http://www.htdc.org/sbir/conference\\_2007/](http://www.htdc.org/sbir/conference_2007/).

#### **New Biosafety Committee Requirements for HDOA Plant Quarantine Import Permits (reprise)**

The moratorium on the processing of new and renewal permits for importing microorganisms has been lifted. See memorandum: [http://www.hawaii.edu/ehso/bio/Moratorium\\_Lifting.pdf](http://www.hawaii.edu/ehso/bio/Moratorium_Lifting.pdf). With the lifting of the moratorium, all request to import restricted commodities into Hawaii, will complete a permit application, PQ-7 ([http://www.hawaii.edu/ehso/bio/pq\\_7.pdf](http://www.hawaii.edu/ehso/bio/pq_7.pdf)). Instructions are found here: [http://www.hawaii.edu/ehso/bio/Instructions\\_for\\_Permit\\_Application.pdf](http://www.hawaii.edu/ehso/bio/Instructions_for_Permit_Application.pdf).

Per UH EHSO, additional information should be appended as a separate sheet and include the following:

- Scientific Name:
- Synonym(s):
- Taxonomic Position: (class, order, family, genus)
- Disease Names:
- Hosts: (Scientific Name of Host- make table if necessary)
- Symptoms:
- Geographic Distribution:
- In Hawaii, where?
- Biology and Epidemiology:
- Pest Risk Potential:
  - Consequences of introduction should it be released into the environment.
  - Any treatment, control, eradication?
  - Host range
  - Dispersal potential
  - Economic impact
  - Environmental impact

Contact the Biological Safety Office for more information or go to their web site: <http://www.hawaii.edu/ehso/bio/>.

#### **CTAHR Distinguished Visiting Scholar Program Seeking Applicants, (Reprise)**

The CTAHR Dean's Office is seeking nominations of scholars to participate in the CTAHR Excellence in Science Distinguished Visiting Scholar Program. The nomination must demonstrate that the proposed visit will have a significant positive impact on the college community. The selection panel will give preference to the following types of nominees: 1) Individuals with distinguished national and international reputation or professional field; 2) individuals whose contributions have increased the significance of science education; and 3) individuals who have a broad appeal to our college and community. For more information about the program go here: [http://www.ctahr.hawaii.edu/vincent/CTAHR\\_Visiting\\_Scholar\\_RFP.pdf](http://www.ctahr.hawaii.edu/vincent/CTAHR_Visiting_Scholar_RFP.pdf). Nominations are due **November 30, 2007**.

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# Advanced grant writing for dummies: Or, what I learned at the Western Region CSREES grants workshop

By Lori Yancura  
Department of Family and Consumer Sciences

A few months ago, I applied for a fellowship to attend the Western Region CSREES Grants Workshop. The title, *Writing Winning Grants*, intrigued me. Winning grants are the kind I strive to write. The



agenda also held promise. The first day reviewed CSREES competitive programs. I needed to learn this; previous attempts to navigate this system had left me feeling as if I were drowning in alphabet soup. The second day covered grant and proposal preparation. A generous offer of matching funding from the CTAHR administration was also attractive. My application was successful and I attended the workshop in Denver on October 2<sup>nd</sup> and 3<sup>rd</sup>.

As an early-career faculty member, I have attended several grant writing workshops. As the date - and the seven-hour flight - approached, I began to wonder what new things I could possibly

learn. Fortunately, the conference surpassed my initial expectations by providing several new insights:

- **Have a personal strategic plan.** Be aware of grant deadlines (new and resubmissions). Plan your grant submissions two to three years in the future. Allow *at minimum* six-weeks to write a proposal.
- **Write to an imaginary advocate.** In many cases, one member of the review panel will become your self-appointed champion. Try to give that person ammunition (e.g., literature support, pilot data) so that he/she can defend your proposal.
- **Think *Achievability*.** Grant reviewers want to know that your proposal is of appropriate scope and that you have the resources and expertise to carry it out.
- **Couple methods and objectives.** Remember that methods are tools you use to achieve your objectives, pair them appropriately.
- **These are good folks.** The CSREES people are very helpful. They share our goal of advancing scientific knowledge and conveying it to communities and students.

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## New faculty publications

### David Christopher, MBBE

Christopher, DA, Borsics T, Yuen CYL, Ullmer W, Andème-Ondzighi C, Andres ML, Kang BH, Staehelin L.A. 2007. The cyclic nucleotide-gated cation channel AtCNGC10 traffics from the ER via Golgi vesicles to the plasma membrane of Arabidopsis root and leaf cells. *Biomedical Central Plant Biology* 7:48-56, (2007) <http://www.biomedcentral.com/1471-2229/7/48>

Borsics T, Webb D, Ondzighi C, Staehelin LA, and Christopher DA. 2007. The cyclic nucleotide-gated calmodulin-binding channel AtCNGC10 localizes to the plasma membrane and influences numerous growth responses and starch accumulation in Arabidopsis thaliana. *Planta* 225:563-573 (2007).

# CTAHR Board of Advisors, Chancellor Hinshaw

By Doug Vincent  
Special Program Director for Grants and Contracts

On Monday, October 1, 2007, Dean Hashimoto convened a meeting of the CTAHR Board of Advisors (BOA). Attending the meeting were Jan E. Hanohano Dill, Partners in Development Foundation; Susan Doyle, Aloha United Way; G. Stephen Holaday, HC&S Co.; Wayne Katayama, Kauai Coffee; Allan Ikawa, Big Island Candies; Senator Russell Kokubun; Sandra Lee Kunimoto, Hawaii Department of Agriculture; Susan Matsushima, Alluvion, Inc.; Richard McCormack, Pioneer Hi-Bred International, Inc.; Dean Okimoto, Nalo Farms; Monty Richards, Kahua Ranch; Michael Saafeld, Kukuipahu Ranch, LLC.; Alec Sou, Aloun Farms; Harold Tanouye, Green Point Nurseries; Fred Trotter, F.E. Trotter, Inc. and David Wong. Dean Hashimoto welcomed the newest members of the BOA Jan Dill and Michael Saafeld. Unable to attend were Deron Akiona, Accurate Information Systems; Kourtney Inoue, CTAHR Alumni Association; Derek Kurisu, KTA Superstores; David Morihara, Hawaii 4-H Foundation, Neil Tagawa, Grove Farm; Alan Takemoto; Hawaii Farm Bureau Federation; and Ernest Tottori, HPC foods. Following briefings on CTAHR and discussion about the CTAHR's future, new UH-M Chancellor Virginia Hinshaw joined the meeting. After introductions and brief discussions, the BOA and Chancellor Hinshaw toured CTAHR buildings. Starting with Miller Hall, the on-campus tour ended in Agricultural Sciences where the BOA met with CTAHR faculty, staff and students. The tour then moved to CTAHR's Magoon facility where the advisors and Chancellor Hinshaw met with other faculty, staff and students. Department Chairs and other CTAHR joined the festivities. The successful day and evening ended with conversation and of course, food and drink.

TPSS researcher Tessie Amore explains orchid research to Chancellor Hinshaw while touring the CTAHR Magoon Research Facility.



Dulal Borthakur, (right), explains molecular biology research to Chancellor Hinshaw and Harry Ako (left), Charly Kinoshita and C.Y. Hu look on.



TPSS graduate student Orville Baldos (right) discusses native Hawaiian grass research to Chancellor Hinshaw and members of the CTAHR BOA at the CTAHR Magoon Research Facility.





CTAHR Board of Advisors: Seated front, L-R, Susan Doyle, Susan Matsushima, Jan Dill, Sandra Lee Kunimoto, Richard McCormack. Standing, L-R, Stephen Holaday, Dean Okimoto, Michael Saafeld, Monty Richards, Russell Kokubun, David Wong, Harold Tanouye, Wayne Katayama, Alec Sou, Fred Trotter.

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## CTAHR anthurium wins blue ribbon

CTAHR Board of Advisors member Harold Tanouye of Green Point Nurseries displays ‘Tropic Sunrise.’ At the recent American Florists’ Outstanding Varieties Competition, ‘Tropic Sunrise’ was awarded a blue ribbon. The award-winning anthurium was entered by Tanouye. ‘Tropic Sunrise’ was originally bred by retired TPSS researcher Haruyuki Kamemoto, with assistance from CTAHR faculty and staff, Heidi Kuehnle, Tessie Amore, John Kunisaki, Joanne Lichty and Janice Uchida. To learn more about ‘Tropic Sunrise’ see the web site: <http://www.ctahr.hawaii.edu/oc/freepubs/pdf/NPH-A-3.pdf>



# New grant opportunities open every day

By Doug Vincent

Special Program Director for Grants and Contracts

**B**efore you are many grant funding opportunities. I hope you will consider seeking funding from these opportunities. This list isn't exhaustive either. Grants.gov, Community of Science or the Illinois Research Information Service can do searches for opportunities in your areas of interests. This past federal fiscal year has been a hard lesson for us. We have been blessed for a long period with strong research support through the programs funded through the efforts of our Congressional delegation. These programs have been supportive of the research necessary to identify and resolve local agricultural problems. We have relied upon this support to maintain our laboratories and our research staff. While I am hopeful that at least some of the funding will be restored in FY 2008, there is still no guarantee. We don't yet have a budget for FY 2008 nor do we expect one until at least another month. The political climate in Washington, DC, makes it difficult to predict. So we are faced with a conundrum – do we seek funding now in national competitions, directed

toward national priorities or do we wait (and hope) for the earmarks to return? It is a challenging question, but in the mean time, our budgets continue to dwindle and our ability to support our stakeholders diminishes. There are some regionally funded projects coming up – the Western SARE and IPM programs have some new funding opportunities. EPA Region 9 also will have some regional programs. And we hope for a new round of RFP's from Hawaii Farm Bureau. But none of these programs can replace the levels of funding that we had with TSTAR or the other earmarks. These are serious questions and require serious consideration. But this may not be an "either-or" situation. I see this as a "both-and" situation. If there are opportunities in the list below, I would go for it. These programs are funded and are now available. The earmarks we don't yet know. But position yourself to be prepared for both. Good luck and if there is any way my office can help, let me know.

University of Hawaii  
University Research Council  
**Faculty Travel Funds**

Proposal Deadline: rolling – applications must be in >4 weeks before travel.

[http://www.hawaii.edu/urc/pdf/factravel\\_g.pdf](http://www.hawaii.edu/urc/pdf/factravel_g.pdf)

[http://www.hawaii.edu/urc/pdf/factravel\\_f.pdf](http://www.hawaii.edu/urc/pdf/factravel_f.pdf)

CHS Foundation  
**Rural Youth and Leadership Development**

Proposal Deadline: rolling – applications accepted year round

<http://www.chsfoundation.org/programs/ryld.htm>

CHS Foundation  
**Returning Value to Rural Communities**

Proposal Deadline: rolling – applications accepted year round

<http://www.chsfoundation.org/programs/rvrc.htm>

National Science Foundation  
**Postdoctoral Research Fellowships in Biology**

Proposal Deadline: November 5, 2007

[http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf07580](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07580)

U.S. Department of Education  
**Fulbright-Hays Doctoral Dissertation Research Abroad Fellowship Program**

Proposal Deadline: November 5, 2007

<http://a257.g.akamaitech.net/7/257/2422/01jan20071800/edocket.access.gpo.gov/2007/pdf/E7-17526.pdf>

U.S. Department of Agriculture  
CSREES – NRI  
**Bioactive Food Components for Optimum Health**

Letter of Intent Due: November 5, 2007

Proposal Deadline: January 17, 2008

<http://www.csrees.usda.gov/fo/bioactivefoodcomponentsnri.cfm>

[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Agriculture  
CSREES – NRI  
**Improving Food Quality and Value**

Letter of Intent Due: November 5, 2007

Proposal Deadline: January 17, 2008

<http://www.csrees.usda.gov/fo/foodqualityandvaluenri.cfm>

[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

Department of Health and Human Services  
National Institute of Health  
**Long-Term Weight Maintenance: Basic and Clinical Studies (R01)**  
Proposal Deadline: November 5, 2007  
<http://grants.nih.gov/grants/guide/pa-files/PA-07-053.html>

U.S. Department of Energy  
Office of Science – Chicago Service Center  
**Abrupt Climate Change Modeling: Climate Change Prediction Program**  
Pre-proposal due: November 5, 2007  
Proposal Deadline: December 17, 2007  
<https://e-center.doe.gov/iips/faopor.nsf/UNID/CD548F8ACE0EFBE28525736900689456?OpenDocument>

Department of Health and Human Services  
National Institute of Health  
**Retirement Economics (R01)**  
Proposal Deadline: November 5, 2007  
<http://grants.nih.gov/grants/guide/pa-files/PA-07-075.html>

Department of Health and Human Services  
National Institute of Health  
**Parenting Capacities and Health Outcomes in Youth and Adolescents (R01)**  
Proposal Deadline: November 5, 2007  
<http://grants.nih.gov/grants/guide/pa-files/PA-07-061.html>

National Institutes of Health, National Science Foundation,  
U.S. Department of Agriculture, Department of Energy  
**International Cooperative Biodiversity Groups (ICBG)**  
Letter of Intent due: November 6, 2007  
Proposal Deadline: December 4, 2007  
<http://grants.nih.gov/grants/guide/rfa-files/RFA-TW-08-003.html>

U.S. Department of Commerce  
National Oceanic and Atmospheric Administration  
**CRCP-State and Territory Coral Reef Management Grants**  
Letter of Intent due: November 6, 2007  
Proposal Deadline: February 22, 2008  
<http://apply.grants.gov/opportunities/instructions/oppNOS-OCRM-2008-2001014-cfda11.419-cid2075642-instructions.pdf>

U.S. Department of Commerce  
National Oceanic and Atmospheric Administration  
**2008 CRCP Coral Reef Ecosystem Monitoring**  
Letter of Intent due: November 6, 2007  
Proposal Deadline: February 22, 2008  
<http://apply.grants.gov/opportunities/instructions/oppNOS-NCCOS-2008-2001069-cfda11.426-cid2077780-instructions.pdf>

U.S. Department of Agriculture  
**CSREES – Critical Issues: Emerging and New Plant and Animal Pests and Diseases**  
Proposal Deadline: November 6, 2007  
<http://www.csrees.usda.gov/fo/criticalissuesplantandanimalpestsanddiseases.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_critical\\_issues.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_critical_issues.pdf)

University of Hawaii  
University Research Council  
**Special Fund for Innovative Scholarship and Creative Work**  
Proposal Deadline: November 8, 2007  
[http://www.hawaii.edu/urc/pdf/special\\_g.pdf](http://www.hawaii.edu/urc/pdf/special_g.pdf)  
[http://www.hawaii.edu/urc/pdf/special\\_f.pdf](http://www.hawaii.edu/urc/pdf/special_f.pdf)

National Institutes of Health / Environmental Protection Agency  
**Exploratory Investigations in Food Allergy (R21)**  
Letter of Intent due: November 9, 2007  
Proposal Deadline: December 10, 2008  
<http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-07-032.html>

U.S. Department of Energy  
U.S. Department of Agriculture  
**Plant Feedstock Genomics for Bioenergy: A Joint Research Solicitation**  
Pre-Application Due: November 13, 2007  
Proposal Deadline: January 23, 2008  
<https://e-center.doe.gov/iips/faopor.nsf/UNID/1A749FE781C1AA8C8525736F00611D99?OpenDocument>

U.S. Department of Agriculture  
CSREES – NRI  
**Animal Reproduction**  
Proposal Deadline: November 15, 2007  
<http://www.csrees.usda.gov/fo/animalreproductionnri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

American Association of University Women  
**American Fellowships**  
Proposal Deadline: November 15, 2007  
[http://www.aauw.org/fga/fellowships\\_grants/american.cfm](http://www.aauw.org/fga/fellowships_grants/american.cfm)

World Wildlife Fund  
**Kathryn Fuller Fellowships to Support Biodiversity Conservation Projects**  
Proposal Deadline: November 15, 2007  
<http://www.worldwildlife.org/fellowships/fuller-fellow.cfm>

U.S. Department of Agriculture  
Foreign Agriculture Service  
**International Agricultural Internship Program**  
Application Deadlines: November 15, 2007, April 3, 2008  
<http://www.fas.usda.gov/admin/student/iaip/index.htm>

Smithsonian Tropical Research Institute  
**Short Term Fellowships Programs**  
Proposal Deadlines: November 15, 2007, February 15, 2008, May 15, 2009  
[http://www.stri.org/english/education\\_fellowships/fellowships/stri\\_programs.php](http://www.stri.org/english/education_fellowships/fellowships/stri_programs.php)

Arete Initiative at the University of Chicago  
**New Wisdom Research Initiative**  
Letters of Intent Due: November 19, 2007  
<http://www.wisdomresearch.org/loi.html>

U.S. Department of Agriculture  
CSREES – NRI  
**Soil Processes**  
Letter of Intent Due: November 19, 2007  
Proposal Deadline: February 14, 2008  
<http://www.csrees.usda.gov/fo/soilprocessesnri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Agriculture  
CSREES –NRI  
**Animal Genome (E): Whole Genome Enabled Animal Selection**  
Letter of Intent Due: November 26, 2007  
Proposal Deadline: February 14, 2008  
<http://www.csrees.usda.gov/fo/animalgenomegenomeenabledselectionnri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Agriculture  
CSREES –NRI  
**Arthropod and Nematode Biology and Management (D): Protection of Managed Bees Coordinated Agricultural Project (CAP)**  
Letter of Intent Due: November 26, 2007  
Proposal Deadline: February 14, 2008  
<http://www.csrees.usda.gov/fo/arthropodnematodemangedbeescapnri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Agriculture  
CSREES –NRI  
**Arthropod and Nematode Biology and Management (B): Organismal and Population Biology**  
Letter of Intent Due: November 26, 2007  
Proposal Deadline: February 14, 2008  
<http://www.csrees.usda.gov/fo/arthropodnematodeorganismalbiologynri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Agriculture  
CSREES –NRI  
**Plant Biology (C): Biochemistry**  
Letter of Intent Due: November 26, 2007  
Proposal Deadline: February 14, 2008  
<http://www.csrees.usda.gov/fo/plantbiologybiochemistrynri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Agriculture  
CSREES –NRI  
**Plant Biology (D): Growth and Development**  
Letter of Intent Due: November 26, 2007  
Proposal Deadline: February 14, 2008  
<http://www.csrees.usda.gov/fo/plantbiologygrowthanddevelopmentnri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Agriculture  
CSREES –NRI  
**Plant Genome (D): Applied Plant Genomics CAP**  
Letter of Intent Due: November 26, 2007  
Proposal Deadline: February 14, 2008  
<http://www.csrees.usda.gov/fo/plantgenomenri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Interior  
U.S. Fish and Wildlife Service  
**North American Wetlands Conservation Fund – Small Grants**  
Proposal Deadline: November 30, 2007  
<http://www.fws.gov/birdhabitat/Grants/NAWCA/Small/index.shtm>

American Association of University Women  
**International Fellowships**  
Proposal Deadline: December 1, 2007  
[http://www.aauw.org/fga/fellowships\\_grants/international.cfm](http://www.aauw.org/fga/fellowships_grants/international.cfm)

National Science Foundation  
**Small Business Innovation Research – Phase I Bio & Environmental Technologies; Components & Systems; Software & Services**  
Proposal Deadline: December 4, 2007  
[http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf07586](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07586)

U.S. Department of Agriculture  
CSREES – NRI  
**Biology of Weedy and Invasive Species in Agroecosystems**  
Letter of Intent Due: December 6, 2007  
Proposal Deadline: March 5, 2008  
<http://www.csrees.usda.gov/fo/weedyinvasivespeciesnri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)



Staples Foundation for Learning®

**Teach – Train – Inspire ®**

Proposal Deadlines: December 7, 2007

<http://www.staplesfoundation.org/foundhome.html>

U.S. Department of Health and Human Services  
Health Resource and Services Administration

**Healthy Behaviors in Women**

Proposal Deadline: December 7, 2007

<https://grants.hrsa.gov/webExternal/FundingOppDetails.asp?FundingCycleId=7C7092EE-D35E-416D-9BD9-3C4DA48056B2&ViewMode=EU&GoBack=&PrintMode=&OnlineAvailabilityFlag=&pageNumber=&version=&NC=&PopUp=>

U.S. Department of Agriculture

**Western Regional Integrated Pest Management Competitive Grants Program**

Proposal Deadline: December 7, 2007

<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1101>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_ipm\\_western.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_ipm_western.pdf)

U.S. Department of Agriculture

Western Regional Sustainable Agriculture Research and Education

**Professional + Producer Grants**

Proposal Deadline: December 7, 2007

[http://wsare.usu.edu/grants/docs/req\\_pp\\_08.pdf](http://wsare.usu.edu/grants/docs/req_pp_08.pdf)

U.S. Department of Agriculture

Western Regional Sustainable Agriculture Research and Education

**Farmer-Rancher Grants**

Proposal Deadline: December 7, 2007

[http://wsare.usu.edu/grants/docs/req\\_fr\\_08.pdf](http://wsare.usu.edu/grants/docs/req_fr_08.pdf)

U.S. Department of Agriculture, CSREES

**Children, Youth and Families at Risk (CYFAR) Sustainable Community Projects (New)**

Proposal Deadline: December 10, 2007

<http://www.csrees.usda.gov/fo/childreyouthfamiliesustainablecommunityprojects.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_cyfar\\_scp.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_cyfar_scp.pdf)

National Science Foundation

**East Asia and Pacific Summer Institutes for U.S. Graduate Students**

Proposal Deadline: December 12, 2007

[http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf07584](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07584)

U.S. Department of Agriculture, CSREES

**Outreach and Assistance for Socially Disadvantaged Farmers and Ranchers Program**

Proposal Deadline: December 14, 2007

<http://www.csrees.usda.gov/fo/outreachassistancesociallydisadvantagedfarmersranchers.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_outreach.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_outreach.pdf)

American Association of University Women

**Career Development Grants**

Proposal Deadline: December 15, 2007

[http://www.aauw.org/fga/fellowships\\_grants/career\\_development.cfm](http://www.aauw.org/fga/fellowships_grants/career_development.cfm)

Organic Farming Research Foundation

**Research Proposals**

Proposal Deadline: December 17, 2007 (firm), July 16, 2008 (estimated)

[http://ofrf.org/grants/apply\\_research.html](http://ofrf.org/grants/apply_research.html)

U.S. Department of the Interior

U.S. Geological Survey

**National Spatial Data Infrastructure Cooperative Agreements Program (NSDI CAP)**

Proposal Deadline: December 15, 2007

<http://apply07.grants.gov/apply/opportunities/instructions/opp08HQPA0002-cfda15.809-cid08HQPA0002-instructions.doc>

U.S. Department of Agriculture

CSREES – NRI

**Animal Protection and Biosecurity (B)(C): Animal Well-Being, Coordinated Agricultural Project (CAP)**

Proposal Deadline: December 19, 2007

<http://www.csrees.usda.gov/fo/animalprotectionandbiosecuritynri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Agriculture

CSREES – NRI

**Food Safety and Epidemiology (A): Biological Approaches for Food Safety**

Proposal Deadline: December 19, 2007

<http://www.csrees.usda.gov/fo/foodsafetyinri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Agriculture

CSREES – NRI

**Food Safety and Epidemiology (B): Epidemiological Approaches for Food Safety**

Proposal Deadline: December 19, 2007

<http://www.csrees.usda.gov/fo/foodsafetyepidemiologicalapproachesnri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Environmental Protection Agency  
**Fall 2008 EPA Greater Research Opportunities (GRO) Fellowships for Undergraduate Environmental Study**  
Proposal Deadline: December 19, 2007  
[http://es.epa.gov/ncer/rfa/2008/2008\\_gro\\_undergrad.html](http://es.epa.gov/ncer/rfa/2008/2008_gro_undergrad.html)

U.S. Environmental Protection Agency  
**5<sup>th</sup> Annual P3 awards: A National Student Design Competition for Sustainability Focusing on People, Prosperity and the Plant.**  
Proposal Deadline: December 20, 2007  
[http://es.epa.gov/ncer/rfa/2008/2008\\_p3.html](http://es.epa.gov/ncer/rfa/2008/2008_p3.html)

National Science Foundation  
**Major Research Instrumentation Program**  
Letter of Intent Due: December 21, 2007  
Proposal Deadline: January 24, 2008  
[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5260](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5260)

International Foundation for Science  
**Sustainable Management, Conservation of Biological or Water Resources**  
Proposal Deadline: December 31, 2007  
<http://www.ifs.se/>

American Orchid Society  
**Research Grants**  
Proposal Deadline: January 1, 2008  
<http://aos.org/aos/uploadedfiles/docs/guidelinesgrants.pdf>

National Science Foundation  
**Long Term Research in Environmental Biology**  
Proposal Deadline: January 9, 2008, July 9, 2008  
[http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf07588](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07588)

National Science Foundation  
**Research Initiation Grants and Career Advancement Awards to Broaden Participation in Biology**  
Proposal Deadline: January 14, 2008  
[http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf07560](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07560)

American Association of University Women  
**Community Action Grants**  
Proposal Deadline: January 15, 2008  
[http://www.aauw.org/fga/fellowships\\_grants/community\\_action.cfm](http://www.aauw.org/fga/fellowships_grants/community_action.cfm)

Binational Agricultural Research and Development Fund  
**Senior Research Fellowship Grants**  
Proposal Deadline: January 15, 2008  
[http://www.bard-isus.com/ResFellguide\\_07.pdf](http://www.bard-isus.com/ResFellguide_07.pdf)

U.S. Department of Agriculture  
CSREES – NRI  
**Water and Watersheds**  
Proposal Deadline: January 17, 2008  
<http://www.csrees.usda.gov/fo/waterandwatershedsnri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Agriculture, CSREES  
**International Science and Education Grants Program**  
Proposal Deadline: January 17, 2008  
<http://www.csrees.usda.gov/fo/educationinternationalscience.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_intl\\_science.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_intl_science.pdf)  
U.S. Department of Agriculture  
CSREES – NRI  
**Nanoscale Science and Engineering for Agriculture and Food Systems**  
Proposal Deadline: January 17, 2008  
<http://www.csrees.usda.gov/fo/nanoscalescienceengineeringnri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Environmental Protection Agency  
**National Network for Environmental Management Studies Fellowship Program**  
Proposal Deadline: January 22, 2008  
<http://www.epa.gov/enviroed/NNEMS/pdf/solicitation2008.pdf>

U.S. Department of Energy  
**DOE EPSCoR Implementation Awards**  
Proposal Deadline: January 22, 2008  
<https://e-center.doe.gov/iips/faopor.nsf/UNID/192B42DCFB9FA5C98525736A006A5632?OpenDocument>

U.S. Department of Commerce  
National Oceanic and Atmospheric Administration  
**National Marine Fisheries Service – Sea Grant Fellowships in Population Dynamics**  
Proposal Deadline: January 25, 2008  
<http://apply.grants.gov/opportunities/instructions/oppOAR-SG-2008-2001201-cfda11.417-cid2096960-instructions.pdf>

National Science Foundation  
**Discovery Research (K-12)**  
Proposal Deadline: January 28, 2008  
[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=500047](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=500047)

Conservation, Food and Health Foundation  
**Grants directed conservation, food and health in the Developing World**  
Concept Applications Due: February 1, 2008  
<http://www.grantsmanagement.com/cfhguide.html>

U.S. Department of Agriculture, CSREES

**Higher Education Challenge Grant**

Proposal Due: February 1, 2008

<http://www.csrees.usda.gov/fo/educationchallengehigheredhep.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_hep\\_challenge.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_hep_challenge.pdf)

Binational Agricultural Research and Development Fund

**Workshop Grants**

Proposal Deadline: February 1, 2008

[http://www.bard-isus.com/Workshop\\_07.pdf](http://www.bard-isus.com/Workshop_07.pdf)

National Science Foundation

**Innovation and Organizational Change**

Proposal Deadline: February 2, 2008

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5378](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5378)

U.S. Department of Commerce

National Oceanic and Atmospheric Administration

**Dr. Nancy Foster Scholarship Program (for Marine biology)**

Proposal Deadline: February 8, 2008

<http://apply.grants.gov/opportunities/instructions/oppNOS-NMS-2008-2001067-cfda11.429-cid2077754-instructions.pdf>

U.S. Department of Agriculture

CSREES – NRI

**Plant Genome**

Proposal Deadline: February 14, 2008

<http://www.csrees.usda.gov/fo/plantgenomenri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Agriculture

CSREES – NRI

**Rural Development**

Proposal Deadline: February 14, 2008

<http://www.csrees.usda.gov/fo/ruraldevelopmentnri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Health and Human Services

National Institutes of Health

**Superfund Basic Research and Training Program (P42)**

Letter of Intent Due: February 15, 2008

Proposal Deadline: April 15, 2008

<http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-07-006.html>

U.S. Department of Commerce

National Oceanic and Atmospheric Administration

**National Marine Fisheries Service – Sea Grant Fellowships in Marine Resource Economics**

Proposal Deadline: February 22, 2008

<http://apply.grants.gov/opportunities/instructions/oppOAR-SG-2008-2001202-cfda11.417-cid2097004-instructions.pdf>

National Science Foundation

**Research on Gender in Science and Engineering FY 2008**

Proposal Deadline: February 25, 2008

[http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf07578](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07578)

University of Hawaii

University Research Council

**Undergraduate Summer Research Award**

Proposal Deadline: February 29, 2007

[http://www.hawaii.edu/urc/pdf/uheh\\_g.pdf](http://www.hawaii.edu/urc/pdf/uheh_g.pdf)  
[http://www.hawaii.edu/urc/pdf/uheh\\_f.pdf](http://www.hawaii.edu/urc/pdf/uheh_f.pdf)

U.S. Department of Commerce

National Oceanic and Atmospheric Administration

**Dean John A. Knauss Marine Policy Fellowship**

Proposal Deadline: February 29, 2008

<http://apply.grants.gov/opportunities/instructions/oppOAR-SG-2009-2001198-cfda11.417-cid2096905-instructions.pdf>

U.S. Department of Agriculture

CSREES – NRI

**Air Quality**

Letter of Intent Due: March 5, 2008

Proposal Deadline: June 5, 2008

<http://www.csrees.usda.gov/fo/airqualitynri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Agriculture

CSREES – NRI

**Animal Genome (D): Functional Genomics**

Letter of Intent Due: March 14, 2008

Proposal Deadline: June 5, 2008

<http://www.csrees.usda.gov/fo/animalgenomefunctionalgenomicsnri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Agriculture

CSREES – NRI

**Animal Genome (A): Translational Animal Genomics**

Letter of Intent Due: March 14, 2008

Proposal Deadline: June 5, 2008

<http://www.csrees.usda.gov/fo/animalgenometranslationalgenomicsnri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Agriculture

CSREES – NRI

**Arthropod and Nematode Biology and Management (B): Suborganismal Biology**

Letter of Intent Due: March 14, 2008

Proposal Deadline: June 5, 2008

<http://www.csrees.usda.gov/fo/arthropodnematodesuborganismalbiologynri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Agriculture  
CSREES – NRI  
**Arthropod and Nematode Biology and Management (C): Tools, Resources and Genomics**  
Letter of Intent Due: March 14, 2008  
Proposal Deadline: June 5, 2008  
<http://www.csrees.usda.gov/fo/arthropodnematodetoolsresourcesgenomicsnri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Agriculture  
CSREES – NRI  
**Plant Biosecurity**  
Letter of Intent Due: March 14, 2008  
Proposal Deadline: June 5, 2008  
<http://www.csrees.usda.gov/fo/plantbiosecuritynri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Health and Human Services  
National Institutes of Health  
**Improving Diet and Physical Activity Assessment (RO1)**  
Letters of Intent Due: May 5, 2008  
Proposal Deadline: June 5, 2008  
<http://grants.nih.gov/grants/guide/pa-files/PA-07-259.html>

U.S. Department of Agriculture  
CSREES – NRI  
**Animal Genome (C): Bioinformatics**  
Proposal Deadline: June 5, 2008  
<http://www.csrees.usda.gov/fo/animalgenomebioinformaticsnri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Agriculture  
CSREES – NRI  
**Animal Genome (B): Tools and Resources**  
Proposal Deadline: June 5, 2008  
<http://www.csrees.usda.gov/fo/animalgenometoolsresourcesnri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Agriculture  
CSREES – NRI  
**Animal Growth and Nutrient Utilization**  
Proposal Deadline: June 5, 2008  
<http://www.csrees.usda.gov/fo/animalgrowthandnutrientusenri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Agriculture  
CSREES – NRI  
**Human Nutrition and Obesity**  
Proposal Deadline: June 5, 2008  
<http://www.csrees.usda.gov/fo/humannutritionobesitynri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

U.S. Department of Agriculture  
CSREES – NRI  
**Agricultural Prosperity for Small and Medium-Sized Farms**  
Proposal Deadline: June 5, 2008  
<http://www.csrees.usda.gov/fo/smallfarmsagriculturalprosperitynri.cfm>  
[http://www.csrees.usda.gov/funding/rfas/pdfs/08\\_nri.pdf](http://www.csrees.usda.gov/funding/rfas/pdfs/08_nri.pdf)

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## New grants received

By Doug Vincent  
Special Program Director for Grants and Contracts

Below is the list of extramural grants and contracts received by CTAHR since the last publication of the CTAHR Research News. Congratulations to the recipients and thank you for your hard work and creativity. Since the July 1st beginning of the state fiscal year, CTAHR has received 53 extramural contracts and grants for \$4,391,530. Not a bad start to the fiscal year except when it is compared to FY 2007. For the same period in FY 2007, CTAHR received 111 awards for \$16,687,432. Conspicuously absent are all of the TSTAR grants, which would have been in place by now, had we

the funding in FY 2007. This illustrates the reliance CTAHR has had on the Congressional earmarks. But if the folks listed below can develop proposals and get funding, it bodes well for the rest of us. I hope you will look for potential funding opportunities elsewhere in this issue of the *CTAHR Research News*. If you do so, and be successful, we will be able to read YOUR name in a future edition of *CRN*. Congratulations to those that received the funding recently, well done, and thanks for serving as a good example.

**CTAHR grants from 9\_27\_07 to 10\_24\_07.**

First name	Last name/Dept	Project Name	Funder	Amount
Anne	Alvarez / PEPS	Western Regional Center in the National Plant Diagnostic Network	University of California	\$70,000
Jonathan	Deenik / TPSS	Soil Organic Matter Management to Improve Soil and Crop Quality on Intensive Vegetable Farms in Hawaii	Hawaii Farm Bureau Federation	46,513
Loren	Gautz / MBBE	Establishment of a Chemical Database of Hawaiian Coffees for Origin Authentication Using Gas Chromatography and Near Infrared Spectroscopy	Hawaii Farm Bureau Federation	65,825
Andrew	Hashimoto / Admin	Value-added Products and Postharvest Treatments Development for Hawaii	DA - Department of Agriculture	237,519
Jim	Hollyer / ADAP	Hawaii Farm Bureau Federation's Professional Development Program: Enhancing On-Farm Performance in Food Safety to Market the Highest Quality Produce	Hawaii Farm Bureau Federation	160,000
C.N.	Lee / HNFAS	Identifying the Bacteria (Types) that is Causing Milk to Spoil	Hawaii Farm Bureau Federation	29,913
Qingxiao	Li / MBBE	Analyses of Honey Imported into Hawaii for Contaminants and Adulterants and Country of Origin	Hawaii Farm Bureau Federation	32,000
Ron	Mau / PEPS	Area-Wide Pest Management Tephritid Flies that Infest Hawaii-Grown Fruits and Vegetables	DA - Department of Agriculture	25,000
Pratibha	Nerurkar / MBBE	Longevity Foods, Sirt Activation and Diabetic Dyslipidemia	National Institutes of Health	173,000
Ted	Radovich / TPSS	Enhancing Soil Quality and Fruit Tree Growth with <i>Arachis pintoii</i> Cover Crops in Hawaii Orchards	Hawaii Farm Bureau Federation	38,751
Dan	Rubinoff / PEPS	Attraction of Non-Target Organisms to Fruit Fly Female Attractants and Male Lures in Hawaii	DA - Department of Agriculture	25,000
Mark	Thorne / HNFAS	Development of Best Management Practices for the Control of Madagascar Fireweed ( <i>Senecio madagascariensis</i> Poir.) in Hawaii	Hawaii Farm Bureau Federation	40,000
Douglas	Vincent / Admin	Detection, Control and Mitigation of Banana Bunchy Top Virus (BBTV) and Citrus Tristeza (CTV) Virus in Hawaii	DA - Department of Agriculture	77,151
Douglas	Vincent / Admin	Environmental Effects of Tephritid Fruit Fly Eradication and Control	DA - Department of Agriculture	159,716
Douglas	Vincent / Admin	Minor Crops Pest and Disease Control	DA - Department of Agriculture	180,426
Douglas	Vincent / Admin	Protecting Papaya from Pests and Diseases	DA - Department of Agriculture	189,970
Douglas	Vincent / Admin	Hawaii Pineapple Improvement	DA - Department of Agriculture	189,970
Ania	Wieczorek / TPSS	Agricultural Biotechnology and Marketing Outreach for Hawaii Crops	Hawaii Farm Bureau Federation	20,000
Ania	Wieczorek / TPSS	Communication in Agricultural Biotechnology	DA - Department of Agriculture	42,305
Mark	Wright / PEPS	Identification of the Sex Pheromone of the Banana Moth, <i>Opogona sacchari</i> Boher in Hawaii	DA - Department of Agriculture	10,000
Jinzeng	Yang / HNFAS	Genetic Selection of Beef Cattle Through DNA and Ultrasound Technology	Hawaii Farm Bureau Federation	70,000
Sylvia	Yuen / COF	Baby Safe Program Report	DOH - Maternal and Child Health Branch	41,000
Sylvia	Yuen / COF	Data Collection and Analysis of Substance Abuse Prevention Services	Hawaii Dept of Health	173,283
<b>Totals</b>			<b>23 grants for a total of:</b>	<b>\$2,097,342</b>