



Letter from the Director

Aloha,

As you may know, renowned conservationist Dr. Minoru Ueki, Chairman of the Palau Conservation Society (PCS) Board of Directors, recently expressed formal gratitude to Palau's President Remengesau for establishing the Palau National Marine Sanctuary (PNMS). I agree with Dr. Ueki's sentiments that the PNMS is a great contribution to the effort to protect the world's oceans.

CTSA staff and program leaders care deeply for the health of the Pacific Ocean. We encourage and are proud to support collaborative efforts between the aquaculture, conservation, and fisheries industries to help sustainably meet regional seafood demand. In Palau, our mangrove crab project has both supplied the local food market and contributed to restoration efforts in the wild; the ongoing rabbitfish project is working to do the same.

I look forward to the new collaborative ideas that will be presented during the approaching development cycle. In addition, this issue of e-notes features a request from the CTSA Board of Directors for participation in an out-of-cycle project to address the critical issue of cost-effective local aquatic feeds. I am excited to see how our research community proposes to creatively solve this problem that has plagued our regional industry for decades.

Mahalo,

Cheng-Sheng Lee

Executive Director, CTSA

Request for 'Letters of Intent' to Participate in New CTSA Project to Address Regional Feed Issue - Submission Deadline March 14

Due to a unique situation with the FY15 project development process and budget, the Board of Directors has determined that CTSA will use a portion of FY15 funds to develop a collaborative applied research and extension project to address the priority of cost-effective locally made aquatic feed in Hawaii and the U.S. Affiliated Pacific Islands. CTSA is seeking Letters of Intent from researchers in the region who are interested in participating in the project.

Affordable feed has been identified as one of the major constraints in the regional development of aquaculture.

The high cost of imported feed for fish farmers must be strategically addressed. Little data exists on the value and efficacy of using locally sourced ingredients as fish feed, and data that do exist come

In This Issue

Letter from the Director

CTSA Releases Request for 'Letters of Intent' to Participate in Local Feed Project

Announcements

February AquaClip

Quick Links

www.ctsa.org

www.oceanicinstitute.org

[Join our Mailing List!](#)

REQUEST FOR 'LETTERS OF INTENT'
Center for Tropical and Subtropical Aquaculture
Due Monday, March 14, 2016

The Center for Tropical and Subtropical Aquaculture (CTSA) is seeking Letters of Intent from regional researchers who are interested in participating in a collaborative applied research and extension project to address the priority of cost-effective locally made aquatic feed in Hawaii and the U.S. Affiliated Pacific Islands.

CTSA's mission is to support aquaculture research, development, demonstration, and extension education in order to enhance viable and profitable aquaculture in the United States. CTSA is funded by an annual grant from the U.S. Department of Agriculture's National Institute of Food and Agriculture (NIFA). The CTSA region includes the following areas: American Samoa, Guam, Hawaii, the Commonwealth of the Northern Mariana Islands, the Republic of the Marshall Islands, the Federated States of Micronesia, and Palau. CTSA strongly encourages collaboration between institutions and agencies in the region, as well as shared funding of large priority projects. Cultivating strong regional partnerships will catalyze the greatest changes in our industry.

The following statement describes the research problem that will be addressed by the project, as well as the objectives and deliverables. The CTSA budget for this project is \$116,000.

from small, laboratory scale trials. There is an urgent need to evaluate feed ingredients and feed formulations, using locally sourced ingredients, on a commercially relevant scale.

Specific objectives and deliverables, as well as instructions for submitting a letter, are included in the 'Request for Letters of Intent' - [click here to download from the CTSA website](#). **Letters are due to CTSA by March 14, 2016. CTSA anticipates funding one collaborative project with a maximum budget of \$116,000.** If you have any questions, please contact mbrooks@ctsa.org.

Please note, this is not related to the FY16 Development Cycle and forthcoming annual 'Request for Pre-Proposals,' to be announced in May 2016.

Announcements

FDA Grant Opportunity to Improve Molluscan Shellfish Sanitation



FDA CFSAN has announced its intent to "... award a single source cooperative agreement to the Interstate Shellfish Sanitation Conference (ISSC). The purpose of this cooperative agreement is to enhance the FDA's molluscan shellfish sanitation program and provide the public greater assurance of the quality and safety of these products. Molluscan shellfish have been recognized by FDA as a significant source of seafood-borne illnesses and continue to be the subject of congressional, state, industry, and public concern. FDA has given high priority to enhance the agency's shellfish safety program and to provide the public greater assurance of the quality and safety of these products.

FDA administers the National Shellfish

Sanitation Program (NSSP). Under that program, the NSSP Model Ordinance serves as guidance for State shellfish sanitation programs and the promulgation of state regulations and laws concerning shellfish safety. This cooperative agreement will enhance FDA efforts to help ensure that shellfish are free of harmful pathogens ..." - FDA anticipates having approximately \$500,000 in total available grant funds for the program in FY 2016. Applications are due by April 8, 2016.

[Click here to view the FDA Grant Funding Opportunity Announcement](#). The Scientific/Research Contact is Paul W. DiStefano who is a Project Officer with the FDA Center for Food Safety and Applied Nutrition at College Park, Maryland at 240 402 1410; Paul.DiStefano@FDA.HHS.gov

Now Hiring! Assistant Cooperative Extension Specialist in Aquaculture at UC Davis

The University of California at Davis Department of Animal Science, internationally recognized as a premier center of excellence in research, teaching, and extension, is seeking applications for a Specialist in Cooperative Extension (CE) at the Assistant rank in the field of aquaculture. One mission of the Department of Animal Science is to develop and disseminate comprehensive basic and applied knowledge associated with freshwater and marine aquaculture. A Cooperative Extension (CE) Specialist is being recruited to conduct original applied research resulting in information that can be applied toward the advancement of commercial aquaculture, and to develop an extension education and outreach program that extends aquaculture information to various clientele (e.g., commercial aquaculture producers, state and federal agencies and the general public) including under- represented groups.

The successful candidate will bring visibility and leadership to campus- and county- based CE academics and other researchers and educators involved in the study of aquaculture and aquatic sciences. Research and extension outreach activities will be closely integrated with UC Agriculture and Natural Resources (ANR), county- based CE academics and clientele as well as campus-based CE and ladder rank faculty. The appointee will be a faculty member of the Department of Animal Science in the College of Agricultural and Environmental Sciences at the University of California, Davis.

[Click here to view the job announcement and submit an application](#). Additional inquiries should

be directed to Dr. James Murray (jdmurray@ucdavis.edu; 530- 752- 3179).

AquaClip ~ Win over \$128k in F3 Fish-Free Feed Challenge

by AquaFeed.com staff, February 17, 2016.

\$128,025 could be yours if you produce and sell seafood-free aquafeed.

The F3 Fish-Free Feed Challenge has been launched to encourage the development and refinement of aquafeeds that use alternative proteins and fish oil replacements. Innovation is needed to improve the cost, scalability, and nutritional performance of these feeds, while having a minimal environmental footprint. The F3 prize's goal is to "showcase aquafeed companies who accelerate their sales of seafood-free alternatives". Eventually, it is hoped that these innovations lead to a new product category for consumers, the equivalent of 'grass-fed seafood', where seafood that is innovative and more environmentally friendly receives special attention.

The prize will go to the first company that sells 100,000 mT of seafood-free aquaculture feed OR to the company that has sold the most seafood-free aquaculture feed by the Challenge end date, September 15, 2017. This will be judged by a committee consisting of Dr. Kevin Fitzsimmons of the University of Arizona, Corey Peet of the Monterey Bay Aquarium and Dr. Michael Tlusty of the New England Aquarium.

The Challenge is being crowd funded through Hero X; to-date, the challenge has received more than \$75K of crowdsourced funds, with a total of \$128,025. The Challenge is still accepting donations to increase the prize.

Feed companies that wish to participate must register as contestants through the F3 website by April 30, 2016. Channel partners, including ingredient suppliers, contract manufacturers, processors, distributors, formula licensees, marketers, resellers, and retailers can partner with a feed company to register.

For additional information, visit <https://herox.com/F3>, or contact f3fishfreefeed@gmail.com.

The Center for Tropical and Subtropical Aquaculture (CTSA) is one of five regional aquaculture centers in the United States established and funded by the U.S. Department of Agriculture's National Institute of Food and Agriculture (NIFA) under grants 2012-38500-19566 and 2014-38500-22241. The regional aquaculture centers integrate individual and institutional expertise and resources in support of commercial aquaculture development. CTSA was established in 1986 and is jointly administered by the Oceanic Institute and the University of Hawaii.

Center for Tropical and Subtropical Aquaculture, 41-
202 Kalaniana'ole Highway, Waimanalo, HI 96795

[SafeUnsubscribe™ mbrooks@ctsa.org](mailto:SafeUnsubscribe™_mbrooks@ctsa.org)

[Forward email](#) | [Update Profile](#) | [About our service provider](#)

Sent by mbrooks@ctsa.org in collaboration with

Constant Contact 

Try it free today