

Mahalo!



*Ryan, Stephanie, Ed, and Shannon Laws (left to right order) at the establishment of the Global Environmental Science Endowed Scholarship.*

## Acknowledgments

Dr. Edward A. and Mrs. Stephanie S.L. Laws recently established the Global Environmental Science Endowed Scholarship to support undergraduate students in the Global Environmental Science program in the Department of Oceanography. The gift will provide standout GES students with tuition and other academic financial support, allowing them to focus on their studies, be rewarded for excellent work, and be able to take advantage of research opportunities for their faculty-mentored thesis projects.

# GES SYMPOSIUM SUMMER 2018

Friday, August 10, 2018

1:00 - 2:00pm

Marine Sciences Building

Room 114

University of Hawai'i at Mānoa



*Photo courtesy of Diana Lopera. Diana investigated the thermal tolerance of one cool-adapted tropical ectotherm, the water anole (*Anolis aquaticus*), in Costa Rica during summer 2018. Photo credit: Austin Carriere*

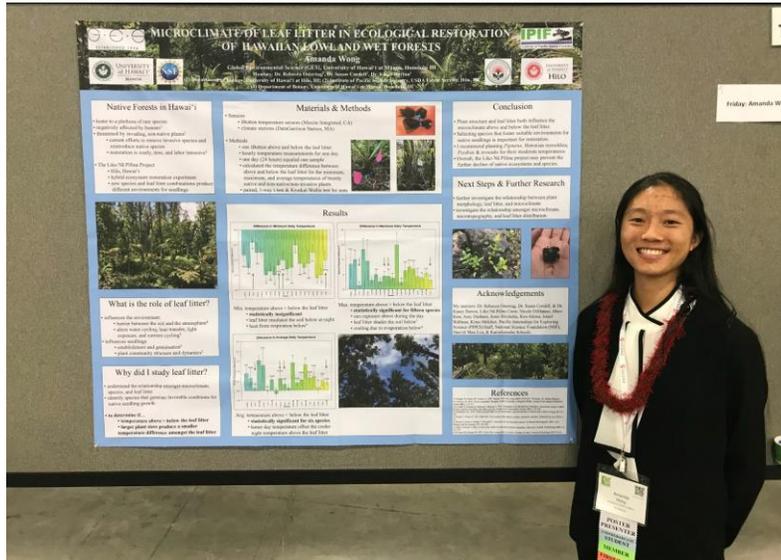


Photo courtesy of Amanda Wong. Amanda presented her PIPES research project titled Microclimate of Leaf Litter in Ecological Restoration of Hawaiian Lowland Wet Forests at the SACNAS National Diversity in STEM Conference in Salt Lake City, Utah, in 2017. Photo credit: Rita Miller, PIPES



Photo courtesy of Cuong Tran. As an education intern at the Old Woman Creek National Estuarine Research Reserve during summer 2018, Cuong led weekly kayak trips on the estuary. Photo credit: Leila Faulstich



Photo courtesy of Noah Howins. Using SCUBA gear and cameras divers capture images of the study site which are then used to determine coral cover percentage and species abundance. Photo credit: Liv Wheeler

### Supporting Undergraduate Research

If you would like to support the Global Environmental Science Program, please consider making a donation online:

<https://giving.uhfoundation.org/funds/12721704>



## **About GES**

The Dept. of Oceanography launched the undergraduate GES Program in 1998 with the generous support of the Pauley Foundation. The vision and brainchild of Emeritus Oceanography Professor Dr. Fred Mackenzie, the GES Program is known for its rigorous math and science foundation, integrated study of environmental- and sustainability-related issues, and faculty-mentored research thesis requirement. This research experience results in every GES graduate having completed a faculty-mentored research project, written a thesis, and presented their research results in a public forum. As a result of the challenging curriculum and research thesis requirements, GES graduates are well-prepared to enter the workforce in environmental science-related fields and industries or continue on to graduate studies in many different subjects in the sciences, social sciences, law, medicine, and engineering.

## **Contact GES**

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## **GES Symposium**

GES students presenting at this symposium conducted basic research, analyzed their results, and compiled their findings into a thesis format. Many theses are converted into peer-reviewed journal publications; a feat usually accomplished by students once in graduate school. The GES Symposium is a celebration and culmination of the GES student's undergraduate research efforts, so join us in supporting, engaging, and applauding today's presenters.

## **Agenda**

1:00 – 1:05 Welcome & Opening Comments  
1:05 – 1:40 Oral Presentations  
1:40 Refreshments & Celebration

## **Oral Presentations**

- 1:05** Harlee Meyers  
*“Bacterial Pollution Sourcing and Oceanic Transport on the South Shore of Kaua’i”*  
Mentor: James Potemra (Hawai'i Institute of Geophysics and Planetology)
- 1:20** Ashley Sanchez  
*“Oceanographic Contributions to Flooding in Honolulu, HI”*  
Mentor: Philip Thompson (Oceanography)

## Biographies



### **Harlee Meyers**

*Mentor: James Potemra*

Harlee was born and raised in Kailua, HI. She attended Long Island University to study Environmental Science but returned home and came to UH Mānoa in Fall 2013. When she heard about the GES program, she thought it was a perfect fit for her and transferred to the program in Spring 2014. After graduation, Harlee plans to pursue a master's degree in Urban and Regional Planning at UH Mānoa.

## Biographies continued



### **Ashley Sanchez**

*Mentor: Philip Thompson*

Ashley was born in Honolulu, HI, and raised in Mililani, HI. She came to UH Mānoa and entered the GES program in Fall 2014. Ashley has been on the Dean's List and is a Undergraduate Research Opportunities Program (UROP) recipient. She would like to thank her parents, Jan and Robert Sanchez. Immediately after graduation, Ashley will pursue a master's degree in Oceanography at UH Mānoa.