

Mahalo!



Acknowledgments

We are so grateful to all our donors for their support of the wonderful work of our students and faculty. A special mahalo to Dr. Lorenz and Ursula Maggaard and Dr. Fred and Judith Mackenzie for their support of GES and undergraduate research experiences since the beginning of the program.

GES SYMPOSIUM FALL 2017

Friday, December 8, 2017

1:00 - 3:00pm

Marine Science Building

Room 100

University of Hawai'i at Mānoa

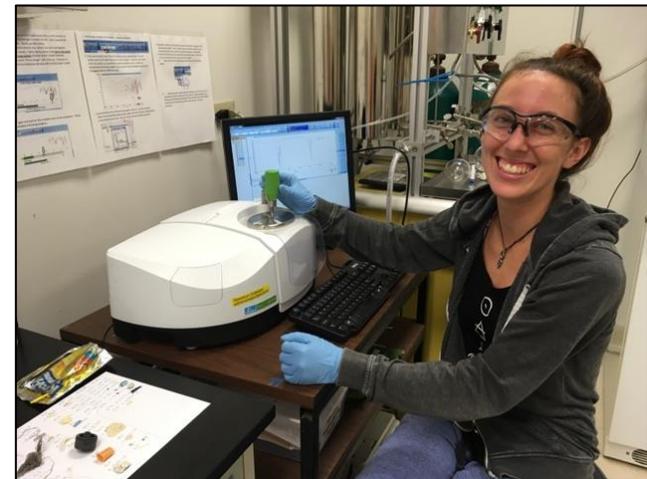


Photo courtesy of Kayla Brignac ('18). Kayla participated in the 2017 National Institute of Science and Technology (NIST) Summer Undergraduate Research Fellowship (or SURF) program under the mentorship of Dr. Jennifer Lynch studying ocean plastics.



Photo courtesy of Jay Chitnis ('16). Jay taking a sun photometer reading while on NOAA Ship Okeanos Explorer to Pago Pago, American Samoa. January to February 2017.



Photo courtesy of Mia Delano ('17). Mia at the Hawai'i Institute of Marine Biology in Kaneohe, Hawaii studying coral growth rates and the potential for adaptation as ocean water becomes more acidic.

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.

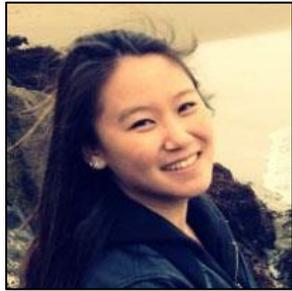
Agenda

- 1:00 – 1:10 Welcome & Opening Comments
- 1:10 – 2:10 Oral Presentations
- 2:15 – 3:00 Refreshments & Celebration

Oral Presentations

- 1:10** Kelcey Ann Chung
“Comparing the Fecundity of Brooding Species Along the West Antarctic Peninsula”
Mentor: Craig Smith (Oceanography)
- 1:25** Elizabeth Dionne
“Resolving Carbon Contributions in a Mangrove Estuary”
Mentors: Henrietta Dulai (Geology & Geophysics) and David Ho (Oceanography)
- 1:40** Ariel Lorenzen
“Assessing the Accuracy of an Environmental Monitoring System in the Ala Wai Harbor”
Mentor: Eric De Carlo (Oceanography)
- 1:55** Tiana Tran
“An Analysis of the Recruitment of Pocillopora Damicornis Under Climate Change Scenarios”
Mentors: Rob Toonen and Chris Jury (Hawaii Institute of Marine Biology)

Biographies



Kelcey Ann Chung

Mentor: Craig Smith

Kelcey Ann was born and raised in Honolulu, Hawaii. She came to UH in Fall 2013 and transferred from Marine Biology to the GES Program in Fall 2014. Kelcey Ann has been on the Dean's List and was a part of the FjordEco project

funded by NSF. As part of her research experience, she participated in an Antarctic research cruise.



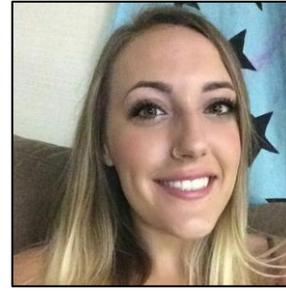
Elizabeth Dionne

Mentors: Henrietta Dulai and David Ho

Elizabeth was born and raised in Buffalo, New York. She came to UH in Spring 2015 and transferred from Natural Resources and Environmental Management to the GES Program in Fall 2015. She has been on the Dean's List and is a Undergraduate

Research Opportunities Program (UROP) recipient. After graduation, Elizabeth is entering the Geology & Geophysics graduate program at UH.

Biographies Continued



Ariel Lorenzen

Mentor: Eric De Carlo

Ariel was raised in San Francisco, CA. She came to UH in Fall 2013 and transferred from General Arts and Sciences to the GES Program in Fall 2014. Ariel has been on the Dean's List and is a Undergraduate Research

Opportunities Program (UROP) recipient. Ariel's research experience was in the Manoa ahupua'a. After graduation, she plans to move back to California to look for a environmentally-related job.



Tiana Tran

Mentors: Rob Toonen and Chris Jury

Tiana was born and raised in Honolulu, HI. She transferred from Santa Barbara City College, and came to UH and the GES Program in Fall 2013. She has been on the Dean's List. Tiana conducted her research at the Hawaii

Institute of Marine Biology in Kaneohe Bay. She has applied for the Masters program in Global Leadership and Sustainable Development at Hawai'i Pacific University.