Summer Program in Environmental Science for High School Students

Student Research Project Symposium

Pacific Center for Environmental Sciences and Hawai‘i Institute of Marine Biology
Program Participants

High School Students Participants

- Brianna Bean, Castle High School
- Joyce Cheng, Castle High School
- Julia Gomes, Castle High School
- Lauren, Grippo, Mililani High School
- Ann Hashizume, Sacred Hearts Academy
- Annie Hoadley, Ho'ala School
- Melody Kanda, Castle High School
- Erin Kawamoto, Maryknoll School
- Alexander Min, Iolani School
- Joseph Nacario, Ho'ala School
- Sean O’Hara, Punahou School
- Zachary Pablo, ASSETS School
- Kristen Pereira, Mid-Pacific Institute
- Cody Petersen, Kalaheo High School
- Jerrold Simms, Punahou School
- Tevin Togami, Le Jardin Academy
- Kelly Viernes, University Laboratory School
- Ian Yamaguchi, Mid-Pacific Institute

Students Mentors

- Michael Ellis, Kahuku High School
- Emily Gomes, Castle High School
- Ryan Lee, Hawaii Baptist Academy
- Jessica Loretero, Kalaheo High School
- Kyle Roach-Laing, Le Jardin Academy
- Lauren Victoria, Myron B. Thompson Academy

Student Teaching Assistants

- Kawai Kekaula, Windward Community College, University of Hawai‘i
- Celeste Yee, University of Hawai‘i at Mānoa

Program Faculty

- Robert Hutchison, Le Jardin Academy
- David Krupp, Windward Community College & Hawai‘i Institute of Marine Biology, University of Hawai‘i
- Mackenzie Manning, Hawai‘i Institute of Marine Biology, University of Hawai‘i
- Malia Rivera, Hawai‘i Institute of Marine Biology, University of Hawai‘i
- Manning Taite, Windward Community College, University of Hawai‘i
Guest Speakers, Presenters and Other Contributors

John Quincy Adams, Hawai‘i State Lifeguards
Carleen Bradley, Hawai‘i Red Cross
Chuck Burroughs, ‘Ahahui Malama I Ka Lokahi
Sheldon Comer, Former Program Student
Carl Evensen, College of Tropical Agriculture and Human Resources, University of Hawai‘i
Walter Keale, ‘Ahahui Malama I Ka Lokahi
Herb Lee, Pacific American Foundation
Jo-Ann Leong, Hawai‘i Institute of Marine Biology, University of Hawai‘i
Teresa Lewis, Hawai‘i Institute of Marine Biology, University of Hawai‘i
Alofa Ofafalilo, Hawai‘i Red Cross
Keahi Renaud, Community Member
Mindy Mizobe, Hawai‘i Institute of Marine Biology, University of Hawai‘i
Willis Motooka, Waikalua Loko Fishpond Preservation Society
Christina Runyon, Windward Community College, University of Hawai‘i
Kaimi Scudder, ‘Ahahui Malama I Ka Lokahi
Ben Seversen, Hawai‘i State Lifeguards
Kris Seversen, Hawai‘i State Lifeguards
Alisa Sheriff, Windward Community College, University of Hawai‘i
Fred Takebayashi, Waikalua Loko Fishpond Preservation Society
Clyde Tamaru, Sea Grant & Hawai‘i Institute of Marine Biology, University of Hawai‘i
Earl Yamaguchi, Hawai‘i Red Cross

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Ross Langston, Windward Community College, University of Hawai‘i
Jacquie Maly, Windward Community College, University of Hawai‘i
Mariko Miho, University of Hawai‘i Foundation
Peter Owen, Windward Community College, University of Hawai‘i
Ingelia White, Windward Community College, University of Hawai‘i

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Cultural Surveys Hawai‘i, Inc.
Pacific Legacy, Inc.
Sea Engineering, Inc.
Mr. Frederick C. Paine
Mrs. Jennie L. Phillips
Program

8:30 A.M.  Morning Sugar and Caffeine Fix

9:00 A.M.  Opening Remarks and Introductions

Dr. David Krupp
Professor of Marine and Biological Science
Windward Community College
Affiliate Faculty
Hawai‘i Institute of Marine Biology, University of Hawai‘i

9:10 A.M.  Welcome

Ms. Mackenzie Manning
Education Coordinator
Hawai‘i Institute of Marine Biology, University of Hawai‘i

Dr. Jo-Ann Leong
Director
Hawai‘i Institute of Marine Biology, University of Hawai‘i

Dr. Angela Meixell
Chancellor
Windward Community College, University of Hawai‘i

9:15 A.M.  Keynote Presentation: “We're All in This Together”

Mr. Paul 'Doc' Berry
Writer, Editor, Video Producer/Director, Consultant, Teacher

Paul 'Doc' Berry has written books about the history and environment of Hawai‘i, global indigenous cultures, and globalization. His recent writings include contributing to The Living Reef, published by the Hawai‘i Department of Land and Natural Resources and The Nature Conservancy, and articles for Honolulu Weekly on clean energy and food production in Hawai‘i. Berry is also the author of three internationally recognized documentary films, Paniolo O Hawai‘i, Waikiki In the Wake of Dreams, and Daniel Inouye, An American Life, which he also narrated. A former literature and economics teacher, ‘Doc’ Berry is presently collaborating with Dr. Deane Neubauer on an open source digital text: Uncertain Steps: The Prospects for Contemporary Globalization. Berry and Neubauer are also presently revising Going Global, an interactive online globalization curriculum with The Good Thinkers Tool Kit, available at http://earthwindow.com/grc2.
9:45 A.M.  Student Presentations
Robert Hutchison and Manning Taite, Moderators

The antibiotic property of algae against bacteria associated with coral disease.
    Lauren Grippo, Sean O’Hara, Joseph Nacario
    Ryan Lee, Mentor

Analyzing bacterial counts in sand at Kailua, Waikiki, and Ala Moana beaches.
    Joyce Cheng, Erin Kawamoto, Kirsten Pereira
    Emily Gomes, Mentor

Investigating the possible presence of Salmonella in Kahalu‘u Stream.
    Ann Hashizume, Annie Hoadley, Tevin Togami
    Lauren Victoria, Mentor

Characterizing Hawaiian tide pools.
    Julia Gomes, Melody Kanda, Cody Petersen
    Jessica Loretero, Mentor

The possible environmental factors influencing the abundance of the invasive sponge, Mycale armata in Kāneʻohe Bay, O‘ahu, Hawaiian Islands.
    Brianna Bean, Alexander Min, Zachary Pablo
    Kyle Roach-Laing, Mentor

An investigation of the invertebrate communities that utilize Gracilaria salicornia (gorilla ogo) in Kāneʻohe Bay, O‘ahu, Hawaiian Islands.
    Jerrold Simms, Kelly Viernes, Ian Yamaguchi
    Michael Ellis, Mentor

11:30 A.M.  Special Treat

11:45 A.M.  Certificates

12:00 P.M.  Closing Remarks and Refreshments