

Angela Richards Donà, PhD
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I am a highly motivated and experienced recent PhD graduate with extensive capability in the field and a broad skill set that includes research and techniques in coral physiology, histopathology, photobiology, and microbiology. I have strong writing, graphic arts, and presentation skills, and I work well both independently and in groups. I naturally gravitate toward leadership roles and mentoring, and I believe in volunteering for important missions and advocating for underrepresented voices. I look forward to new projects, expanding scientific knowledge, and developing new skill sets while achieving goals and meeting project deadlines.

Education

Degrees earned

- Ph.D., Marine Biology** 2012 – 2019
University of Hawai'i at Mānoa/Honolulu, HI
Committee Chair: Dr. Cynthia Hunter
Dissertation: Investigation into the functional role of chromoproteins in the physiology and ecology of the Hawaiian stony coral *Montipora flabellata* in Kāne'ōhe Bay, O'ahu
- M.Sc., Marine and Atmospheric Science** 2010 – 2012
School of Marine and Atmospheric Sciences, Stony Brook University/Stony Brook, NY
Advisor: Dr. Gordon Taylor
Thesis: Investigation into pathological responses of two phenotypes of the Scleractinian coral, *Montastraea faveolata*, to putative marine *Vibrio* pathogens.
Master's Student, Environmental Science (transferred to SoMAS in 2010) 2008 – 2009
Pace University/New York, NY
- B.F.A. in Fashion Design** 1987 – 1993
Parsons School of Design/New York, NY

Specialty Courses and Certificates

- Light and Photosynthesis on Coral Reefs. Drs. Roberto Iglesias-Prieto, Susana Enriquez** 2014
Universidad Nacional Autónoma de México/Puerto Morelos, Quintana Roo, Mexico
- Advanced Course: Coral Tissue Slide Reading Workshop. Dr. Esther Peters** 2010
George Mason University/Fairfax, VA
- Advanced Course: Diseases of Corals and Other Reef Organisms. Dr. Esther Peters** 2008
Mote Marine Laboratory, Tropical Research Laboratory/Summerland Key, FL
- Undergraduate science prerequisites** 2008
City University of New York - New York City College of Technology/New York, NY
- Certificate, Conservation Biology** 2006 – 2007
Columbia University Center for Environmental Research and Conservation/New York, NY

Professional Experience

Hawai'i Institute of Marine Biology/Kāne'ohe, HI Project: Longer-term Monitoring and Assessment of the Hā'ena, Kaua'i CBSFA Graduate Research Assistant	2016 – 2019
Water Resources Research Center, University of Hawai'i at Mānoa/Honolulu, HI Project: Long-term Micromollusk Monitoring at Sewage Outfalls, O'ahu Research Assistant	2014 – 2016
Pacific Center for Environmental Studies – Windward Community College/Kāne'ohe, HI Guest Lecturer, Field Assistant	2013
University of Hawai'i at Mānoa/Honolulu, HI Teaching Assistant, Introduction to Biology Lab - Bio 172L Teaching Assistant, Corals and Coral Reefs – Zool 410 Graduate Research Assistant	Spring 2013 Fall 2012
Rainforest Alliance/New York, New York Communications Coordinator, Design and Production	2005 – 2010
Career in fashion design in New York and Italy	1993 -2003

Field Experience

The Nature Conservancy – West Hawai'i Island Reef Resilience 2019 Benthic surveys of coral recruits, monopod photos, Structure from Motion (SfM) on SCUBA, data entry.	2019
Woods Hole Oceanographic Institution – Reef Health from Coral Archives Cruise Transect coral species identification and counts on SCUBA, data entry Micronesia: Yap, Pohnpei, Kapingamarangi, Nakuoro, Olimarao, Woleai, Kosrae	2012
Coral Reef Assessment and Monitoring Project (CRAMP) Hawai'i Permanent site maintenance, surveys on SCUBA, O'ahu and Kaua'i	2015 – 2019
<i>Montipora flabellata</i> Distribution Surveys – Hawai'i Institute of Marine Biology (HIMB) Surveys of 22 entire patch reefs, Kāne'ohe Bay, O'ahu	2014– 2015
Hawaiian Ko'a Card Project – Coral Reef Ecology Laboratory at HIMB Coral collection, card verification, O'ahu	2017 – 2019

Publications

Peer-reviewed

Rodgers KS, Bahr KD, Jokiel PL, **Richards Donà A** (2017) Patterns of bleaching and mortality following widespread warming events in 2014 and 2015 at the Hanauma Bay Nature Preserve, Hawai'i. PeerJ. DOI:10.7717/peerj.3355.

Rodgers KS, Lorange K, **Richards Donà A**, Stender Y, Lager C, Jokiel PL (2017) Effectiveness of coral relocation as a mitigation strategy in Kāne'ohe Bay, Hawai'i. PeerJ. DOI:10.7717/peerj.3346.

Richards Donà A, Cervino JM, Goreau TJ, Bartels E, Hughen K, Smith GW, Donà A (2008) Coral Yellow Band Disease; current status in the Caribbean and links to new Indo-Pacific outbreaks. Proc. Intl. Coral Reef Symp. 1:239-243.

Reports

Rodgers KS, Bahr K, Stender Y, Stender K, **Richards Donà A**, Tsang A, Han JH, Prouty N. 2018. Recovery assessment and long-term monitoring of reef coral communities at Pila'a reef, Kaua'i. Report prepared for: Department of Land and Natural Resources, Division of Aquatic Resources.

Rodgers KS, Stender Y, **Richards Donà A**, Tsang A, Han JH. 2018. 2017 Long-term monitoring and assessment of the Hā'ena, Kaua'i Community Based Subsistence Fishing Area. Report prepared for: Department of Land and Natural Resources, Division of Aquatic Resources.

Rodgers KS, Bahr KD, Stender YO, Stender K, **Richards Donà A**, Weible R, Tsang A, Han JJ, McGowan AE. 2017. 2016 Recovery assessment and long-term monitoring of reef coral communities at Pila'a Reef, Kaua'i. Report prepared for: Department of Land and Natural Resources, Division of Aquatic Resources.

Rodgers KS, Bahr KD, Stender YO, Stender K, **Richards Donà A**, Weible R, Tsang A, Han JJ, McGowan AE. 2017. 2016 Long-term monitoring and assessment of Hanalei Bay, Kaua'i. Report prepared for: Department of Land and Natural Resources, Division of Aquatic Resources.

Rodgers KS, Bahr KD, Stender YO, Stender K, **Richards Donà A**, Weible R, Tsang A, Han JJ, McGowan AE. 2017. 2016 Long-term monitoring and assessment of the Hā'ena, Kaua'i Community Based Subsistence Fishing Area. Report prepared for: Department of Land and Natural Resources, Division of Aquatic Resources.

Thesis and Dissertation

Investigation into pathological responses of two phenotypes of the Scleractinian coral, *Montastraea faveolata*, to putative marine *Vibrio* pathogens. **M.Sc. Thesis**. Stony Brook University, Stony Brook 2013. SUNY Digital Repository and Print.

Investigation into the functional role of chromoproteins in the physiology and ecology of the Hawaiian stony coral *Montipora flabellata* in Kāne'ohe Bay, O'ahu. **Doctoral Dissertation**. University of Hawai'i at Mānoa, 2019.

Awards and Grants

2018	Hawai'i Institute of Marine Biology Colonel Willys E. Lord, DVM and Sandina L. Lord Endowed Scholarship	\$1000
2018	University of Hawai'i at Mānoa Graduate Student Organization Research Grant	\$640
2017	Hawai'i Institute of Marine Biology Colonel Willys E. Lord, DVM and Sandina L. Lord Endowed Scholarship	\$1000
2015	University of Hawai'i at Mānoa Marine Biology Graduate Program Research Grant	\$2000

Presentations

Light and Photobiology of Corals

Oral presentation. Spring 2016, 2017, 2018, 2019

Corals and Coral Reefs (ZOOL 410) UH Mānoa

Diseases on Coral Reefs

Oral presentation. Spring 2013, 2014, 2015

Corals and Coral Reefs (ZOOL 410) UH Mānoa

Pathological Responses of the Caribbean Coral *Montastraea faveolata* to Putative Marine *Vibrio* Pathogens

Oral presentation. March 19, 2014

Hawai'i Institute of Marine Biology (HIMB) Seminar

Damaging Interactions Between the Coral Holobiont and Putative Bacterial Pathogens. Undetectable Until It Is Too Late

Oral presentation. March 13, 2014

39th Annual Albert L. Tester Symposium. University of Hawai'i at Mānoa

Oral presentation. February 26, 2014

2014 Ocean Sciences Meeting. Session: 053 Coral Microbiology: Partners and Pathogens

Coral Reef Organisms

Oral presentation. June 17, 2013

PaCES – HIMB summer course for high school students. Windward Community College

Master's thesis presentation

Oral presentation. August 1, 2012

Stony Brook University

Is That Coral Really Healthy? What Histology Can Tell Us About Corals That Lack Outward Signs Of Stress

Oral presentation. April 23, 2012

37th Eastern Fish Health Workshop. Spec. Session 4: As The Ocean Turns: How Environment Affects Coral Health

Coral Yellow Band Disease; current status in the Caribbean and links to new Indo-Pacific outbreaks
Oral Presentation. July 9, 2008

11th International Coral Reef Symposium. Mini-symposia session 7 — Diseases on Coral Reefs

Coral yellow band disease: recent infections in the Indo-pacific likely to follow devastating trend in the Caribbean

Poster presentation. April 2, 2009

American Museum of Natural History, Center for Biodiversity and Conservation. Spring Symposium
“Exploring the Dynamic Relationship Between Health and the Environment.”

Extracurricular Affiliations

Graduate Women in Science (GWIS), Alpha Lambda Omega (ALO-HA) Chapter President	2015 – 2016
Graduate Women in Science (GWIS), Alpha Lambda Omega (ALO-HA) Chapter Treasurer	2013 – 2015
UH Mānoa Graduate Student Organization (GSO) Student Representative for Marine Biology Graduate Program	2014 - 2016

Expertise and Skills

Photobiology	Pulse amplitude modulated fluorometry (Diving PAM); Ocean Optics spectrometer; confocal laser scanning microscope; pigment extractions
Histology	Slide preparation, staining, and analysis; light microscopy
Microbiology	Bacterial cultivation; Gram staining; epifluorescence microscopy; fluorescence in situ hybridization (FISH)
Software programs	JMP by SAS (proficient), R (beginner), Python (in progress) Adobe Photoshop, Illustrator, InDesign, Dreamweaver (advanced)
Languages	English (native), Italian (fluent)
SCUBA certification	AAUS Scientific Diver - lead diver to 100 fsw, Enriched Air Nitrox certified DAN certification in CPR, First Aid, Emergency Oxygen Administration 700 logged dives
Boat skills	Licensed in State of Hawai'i – small vessel operator