

Brown University, Department of Ecology and Evolutionary Biology
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Education

Ph.D.	Ecology, Brown University. 2013-Present	Advisor: Jon Witman
M.Sc.	Tropical Ecology, Universidad San Francisco de Quito. 2009-2011	Advisor: Luis Vinueza
B.Sc.	Biology, Oregon State University. 2004-2008	Advisor: Mark Hixon
B.A.	International Studies, Oregon State University. 2004-2008	Advisor: Mark Hixon

Experience

- Invited Lecturer, Brown University 2014-Present
 - Biology 042 (Principles of Ecology)
 - Biology 142 (Experimental Design)
 - Environmental Sciences 0490 (Environmental Science in a Changing World)
- Teaching Assistant, Brown University 09-12 / 2017
 - Lead TA for ENVS 0490 (Environmental Science in a Changing World)
 - Held office hours, discussions, graded, and delivered online coursework and quizzes
- Teaching Assistant, Brown University 2013-Present
 - Lead TA for Biology 042 (Principles of Ecology)
 - Managed 3-4 undergraduate TAs for weekly discussion sections, grading, field trips
- Research Associate, Universidad San Francisco de Quito 2011-2013
 - Co-taught field and class components class on field marine ecology along Ecuadorian coast
 - Built and managed new research lab (Luis Vinueza, PI), organized field research trips (intertidal community ecology), directed lab purchases and equipment maintenance
- U.S. Fulbright Fellow to Ecuador 2008-2009
 - Directed fisheries research in coastal towns along the Ecuadorian province of Esmeraldas
 - Developed and delivered community training modules and marine science education programs, culminating in the inauguration of the Galera San Francisco Marine Reserve

Selected Publications

Lamb RW, AW Aued, F Smith, P Salinas de Leon, J Suarez, M Gomez-Chiarri, R Smolowitz, C Giray, and J Witman. 2018. El Niño drives a widespread ulcerative skin disease outbreak in Galapagos marine fishes. *Scientific Reports*, 8:16602.

Quimbayo JP, MS Dias, M Kulbicki, TC Mendes, **RW Lamb**, AF Johnson, O Aburto-Oropeza, JJ Alvarado, AA Bocos, CE Ferreira, E Garcia, OJ Luiz, I Mascareñas-Osorio, HT Pinheiro, E Salas, FA Zapata, and SR Floeter. 2018. Determinants of reef fish assemblages in tropical oceanic islands. *Ecography*, DOI:

10.1111/ecog.03506.

Witman JD & **RW Lamb**. 2018. Persistent differences between coastal and offshore kelp forest communities in a warming Gulf of Maine. PLOS One, DOI: 10.1371/journal.pone.0189388.

Winkler NS, MP Goicoechea, **RW Lamb**, and A Perez-Matus. 2017. Diet reveals links between morphology and foraging in a cryptic temperate reef fish. Ecology and Evolution, DOI: 10.1002/ece3.3604.

Pérez-Matus A, F Sánchez, JC González-But, and **RW Lamb**. 2016. Understory algae associations and predation risk influence broad-scale kelp habitat use in a temperate reef fish. Marine Ecology Progress Series, 559: 147–158.

Witman J, **RW Lamb**, and JEK Byrnes. 2015. Towards an integration of scale and complexity in marine ecology. Ecological Monographs, 85(4): 475-504.

Lamb RW and DW Johnson. 2010. Trophic restructuring of coral reef fish communities in a large marine reserve. Marine Ecology Progress Series, 408: 169-180.

Grants/Awards

<u>Award</u>	<u>Amount (\$)</u>	<u>Year</u>
Rufford Conservation Conference Grant	13,000	2018
Brown University IBES Graduate Research Grant	5,000	2017-18
Dissertation Development and Improvement Grant	13,000	2016-2017
Rufford Conservation Booster Grant	12,000	2016-2017
Brazil Initiative Research Grant	2,000	2016
Brown University IBES Graduate Research Fellowship	86,000	2016-2017
Brown University IBES Graduate Research Grant	5,000	2015
Global Mobility Graduate Research Fellowship	9,000	2015
2 nd Rufford Small Grant	10,000	2014-2015
Lerner-Gray Fund for Marine Research	2,000	2014-2015
Watson Institute International Research Award	2,500	2014
Sidney Frank Fellowship	3,800	2014
Rufford Small Grant for Conservation	10,000	2011-2012
Universidad San Francisco de Quito Research Grant	2,500	2010-2011
Universidad San Francisco de Quito Graduate Fellowship	8,500	2009
US Fulbright Fellowship to Ecuador	14,000	2008

Presentations

- “Impactos ecológicos y filtros ambientales de la herbivoría en arrecifes de Galápagos.” Galapagos Research Symposium, Galapagos Science Center – San Cristobal, and Simposio Ciencias de la Sostenibilidad para Galapagos, Galapagos National Park – Santa Cruz, Ecuador. 07/2018
- “El Niño causes habitat filtering and widespread disease in the Galapagos reef fish assemblage.” Indopacific Fish Conference, Tahiti. 09/2017
- “Mobility predicts top-down control in a periodically stressful environment.” Ecological Society of America, Portland, Oregon. 08/2017
- “Efectos de El Niño 2015-16 sobre peces de arrecife de Galápagos.” Galapagos Research Symposium, Galapagos Science Center, San Cristobal Island, Ecuador. 07/2017
- “El Niño causes habitat filtering and widespread disease in a tropical reef fish assemblage.” Association for the Study of Limnology and Oceanography, Honolulu, Hawaii. 03/2017
- “Damsels in distress: widespread disease in Galapagos reef fishes.” International Coral Reef Symposium, Honolulu, Hawaii. 06/2016
- “Cashes Ledge as a Marine National Monument: a scientist’s perspective.” Seacoast Science Center, Portsmouth, New Hampshire. 04/2016
- “El Niño related changes in fish communities of the Galapagos Islands.” Benthic Ecology Meeting, Portland, Maine. 03/2016
- “Fish diversity and ecosystem function in the Galapagos Marine Reserve.” Rufford Grants Regional Conservation Conference, Valparaiso, Chile. 05/2015
- “Flow-driven shifts in herbivore guild dominance and subtidal ecosystem function.” Benthic Ecology Meeting, Quebec City, Canada. 03/2015
- “Diversidad y funcionamiento de ecosistemas submareales de Galapagos.” Fundación Charles Darwin, Puerto Ayora, Galapagos. 08/2014
- “Drivers of marine community structure in dynamic oceanographic systems.” Benthic Ecology Meeting, Jacksonville, FL. 03/2014
- “Seasonal and Latitudinal Gradients in Rocky Intertidal Communities of Ecuador.” Graduate Symposium, Universidad San Francisco de Quito. 06/2011
- “Artisanal fisheries on the Ecuadorian coast: analysis of current efforts and issues to be resolved.” U.S. Fulbright Commission South American Regional Conference. 04/2009
- “Effects of a marine reserve on coral reef fish community structure.” North American Fisheries Society Western Regional Conference. 04/2008
- “International opportunities in higher education.” Oregon State Board of Education. 05/2006

Skills

- Field Research: experimental design; collection, analysis, and interpretation of ecological data; underwater research methods including SCUBA, snorkel, marine drilling, visual censuses; PADI - SCUBA certification through Rescue Diver level and AAUS Research Diver certification.
- Computer proficiency: R, JMP, Microsoft Office, Image J, Primer, Photoshop, HTML, CSS, JavaScript, D3, Adobe Premier.
- Laboratory Skills: tissue dissections; DNA/RNA sample preparations; microscope histopathology.
- Science Communication: social media/blogging; writing for popular press; interactive and

dynamic presentations; documentary filmmaking.

Other

- “Best scientific message submission” and publication on the NY Times Science section for the stop-animation film “A Tale of Two Urchins”. 2014. Sofia Castello y Tickell, Robert Lamb, Jon Witman, and Casey Dunn. <http://www.nytimes.com/video/science/100000002735051/creaturecast-a-tale-of-two-urchins.html>
- Viewer’s choice runner-up at the 6th annual Beneath the Waves Film Festival for best short documentary “Marine Ecology in Easter Island”.
<https://www.youtube.com/watch?v=gDkOOrohkj8>
- Official selection of the 7th annual Beneath the Waves Film Festival for the short documentary “Cashes Ledge: Jewel of the Gulf of Maine”.
<https://www.youtube.com/watch?v=2SRU96HZ5Sc>