

Adrienne M.S. Correa

Curriculum Vitae

Contact Information:

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(a) Professional Preparation

Cold Spring Harbor Laboratory, Computational & Comparative Genomics Course, 2010
Columbia University, Ecology & Evolution, Ph.D. *with distinction* 2009
Columbia University, Environmental Policy, Advanced NY State Certificate 2004
Hawaii Institute of Marine Biology, Coral Molecular Biology Techniques Workshop, NA 2004
Columbia University, Conservation Biology, M.A. 2003
University of Michigan, Biology, B.Sc. *with class honors* 2000

(b) Appointments

Postdoctoral Associate , Florida International University	Fall 2009 to present
Graduate Fellow , Columbia University	2003 to 2007
Teaching Assistant , "Evolution," Columbia University	Fall 2004
Teaching Assistant , "Ethnobotany," Columbia University	Spring 2004
Teaching Assistant , "Science Teachers Environmental Education" Program, Columbia University	Summer 2004
Teaching Assistant , "Summer Ecosystems Experiences for Undergraduates" Program, Columbia University	Summer 2003
Teaching Assistant , "Science Teachers Environmental Education" Program, Columbia University	Summer 2003
Laboratory Associate , "Plant Biology," Barnard College	Fall 2002
Program Assistant , Certificate Program in Conservation Biology, Columbia University	2002
Research Assistant , Mote Marine Laboratory	Summer 2000

(c) Grants and awards

CSHL Scholarship, Cold Spring Harbor Laboratory, 2010
ISME Travel Grant, International Society of Microbial Ecology, 2010
NOVA ScienceNOW Science Café Grant, Eat, Think, and Be Merry! Science Café, 2010
PADI AWARE Grant, Project Aquatic World Awareness, Responsibility and Education, Professional Association of Diving Instructors, 2004
NSF Graduate Research Fellowship, Honorable Mention, Proposal: "When the best intentions go wrong: Are efforts to restore marine habitats increasing the spread of invasive organisms?", 2003
Sigma Xi Grant-in-Aid-of-Research, Sigma Xi, The Scientific Research Society, 2003
Polish-American Society Fellowship, 1997

(d) Professional societies

International Society of Microbial Ecology, **Member**, 2010 - current
America Society for Microbiology, **Postdoctoral Member**, 2010 – current
International Society for Reef Studies, **Student Member**, 2004 – current

(e) Publications (in reverse chronological order)

Vega Thurber, R.L. and **Correa, A.M.S.** (in review) Viruses of reef-building scleractinian corals. Journal of Experimental Marine Biology and Ecology
Silverstein, R.N., **Correa, A.M.S.**, LaJeunesse, T.C., Baker, A.C. (in press). High diversity of algal symbionts (*Symbiodinium* spp.) in reef corals along a latitudinal gradient in Western Australia. Marine Ecology Progress Series
Correa, A.M.S. and Baker, A.C. (2010). Disaster taxa in microbially-mediated metazoans: how endosymbionts and environmental catastrophes influence the adaptive capacity of reef corals. Global Change Biology DOI: 10.1111/j.1365-2486.2010.02242.x.
Correa, A.M.S., McDonald, M.D., and Baker, A.C. (2009). Development of clade-specific *Symbiodinium* primers for quantitative PCR (qPCR) and their application to detecting clade *D* symbionts in Caribbean corals. Marine Biology 156:2403-2412
Glynn, P.W., Riegl, B., **Correa, A.M.S.**, and Baums, I.B. (2009). Rapid recovery of a coral reef at Darwin Island, Galápagos Islands. Journal of Galápagos Research 66:6-13
Correa, A.M.S., Brandt, M.E., Smith, T.B., Thornhill, D.J., and Baker, A.C. (2009) *Symbiodinium* associations with diseased and healthy scleractinian corals. Coral Reefs 28:437-448
Correa, A.M.S. and Baker, A.C. (2009) Understanding diversity in coral-algal symbiosis: A cluster-based approach to interpreting fine-scale genetic variation in the genus *Symbiodinium*. Coral Reefs 28:81-93
Baker, A.C., **Romanski, A.M.**** (2007) Multiple symbiotic partnerships are common in scleractinian corals, but not in octocorals: Comment on Goulet (2006). Marine Ecology Progress Series 335, 237-242

(f) Presentations (in reverse chronological order)

Correa, A.M.S. et al. (2010) Nutrients and overfishing impact bacterial communities on reef corals. International Society of Microbial Ecology, Seattle, WA, August 2009
Correa, A.M.S. (2009) *Symbiodinium* diversity in diseased and healthy scleractinian corals. American Society for Microbiology, Florida Branch, Islamorada, FL, October 2009
Correa, A.M.S., Baker, A.C., McDonald, M.D., and Glynn, P.W. (2008) Shifts in *Symbiodinium* clade prevalence following bleaching in the Eastern Panamanian Pacific: Insights from quantitative PCR. 11th International Coral Reef Symposium, Ft. Lauderdale, FL, July 2008
Romanski, A.M., Baker, A.C. (2005) *Symbiodinium* ITS-2 sequences: inter- or intraspecific data? Implications for the detection of ecological and biogeographic patterns. IOC-UNESCO Bleaching Targeted Research Group Regional Workshop, Puerto Morelos, Mexico, May 2005
Baker, A.C., **Romanski, A.M.**, Starger, C.J., and Glynn, P.W. (2004) Disturbance and recovery in *Symbiodinium* communities following El Niño bleaching in the far eastern Pacific. 10th International Coral Reef Symposium, Okinawa, Japan, July 2004

** I am formerly A.M. Romanski.

(g) Synergistic Activities

Panelist for RSMAS Professional Development Seminar series "Post docs! Finding them, Getting them, and Succeeding in them", University of Miami, 2010

Guest Lecturer, Quantifying Biology in the Classroom (QBIC) Science Café course, Florida International University 2010

Guest Lecturer, Cell Biology Course, Florida International University, 2010

Organizer of Eat, Think, and Be Merry! (ETBM) Science Café Series, 2010

ETBM is a series of free educational events on marine science and conservation for the general public. ETBM facilitates conversations between scientists and public participants in a casual environment with the feel of a "happy hour". Grant and donation support of ETBM events to date is >\$1100.

Peer-Reviewer for a total of 16 articles in >10 journals, including *Conservation Biology*, *Molecular Ecology*, and *PLoS One*.

Volunteer Presenter on coral reef research and conservation at Marble Elementary School (East Lansing, MI), and to various visiting student groups at Columbia University (New York, NY) and the University of Miami (Miami, FL), 2001 to 2009

Volunteer for the Student Travel Fund Fundraiser, U. Miami, 2007, 2005

Student **Organizer** for the Marine Biology and Fisheries Faculty Seminar, U. Miami, 2006

Graduate student **Intern** at the Hawaii Institute of Marine Biology, University of Hawaii, Fall 2004

Project: Management and spread of the invasive keyhole sponge, *Mycale armata*, in Kaneohe Bay, Oahu. Mentor: Dr. Steve Coles

Graduate student **Intern** at the Hawaii Institute of Marine Biology, University of Hawaii, Fall 2004

Project: Differential protein expression by scleractinian corals and *Symbiodinium* in response to thermal stress. Mentor: Dr. Teresa Lewis

United Nations Millennium Assessment Project **Taskforce Member**, 2002

Performed data compilation and synthesis of the interrelationships between biodiversity, climate change, and human health, with an emphasis on marine ecosystems

(h) Languages and Additional Certifications

English (native) and **Brazilian Portuguese** (advanced)

Scientific diver under the AAUS certifications, 2003 – current

American Academy of Underwater Sciences
Nitrox and Rescue specialties.

Certified in **First Aid**, **CPR**, and **Oxygen Administration**, 2003 – current

Motorboat Operator Certification Course, Department of Interior, 2009

(i) Advisors

Postdoctoral Advisor Dr. Rebecca Vega Thurber, Florida International University

Ph.D. Advisor Dr. Andrew Baker, University of Miami, Rosenstiel School of Marine and Atmospheric Science

M.A. Advisor Dr. James Danoff-Burg, Associate Director of the Center for Environment, Economy, and Society, Columbia University