

Amber D. Stubler- Curriculum vitae

September 2016

PERSONAL INFORMATION:

Department of Biology and Marine Biology
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CURRENT POSITION

Postdoctoral Research Associate, Department of Biology and Marine Biology, University of North Carolina Wilmington, Advisor: Dr. Chris Finelli

EDUCATION

Ph.D.	Marine and Atmospheric Science School of Marine & Atmospheric Sciences Stony Brook University, Advisor: Dr. Bradley Peterson	May 2015
B.S.	Marine Science, <i>Magna Cum Laude</i> School of Marine & Atmospheric Sciences Stony Brook University	May 2007

PUBLICATIONS

Published and Accepted Manuscripts (*denotes undergraduate student advisee)

9. **Stubler AD**, Jackson LJ, Furman BT, and BJ Peterson. (In Press) Seed production patterns in *Zostera marina*: effects of patch size and landscape configuration. *Estuaries and Coasts*.
8. **Stubler AD** and BJ Peterson. (2016) Coral rubble community response to ocean acidification. *Coral Reefs*. 35:795-803, DOI: 10.1007/s00338-016-1436-x
7. **Stubler AD**, Stevens AK*, and BJ Peterson. (2016) Using community-wide recruitment and succession patterns to assess sediment stress on Jamaican coral reefs. *Journal of Experimental Marine Biology and Ecology*, 474: 29-38.
6. **Stubler AD**, Furman BT and BJ Peterson. (2015) Sponge erosion under acidification and warming scenarios: differential impacts on living and dead corals. *Global Change Biology*, 21:4006-4020.
5. **Stubler AD**, Duckworth AR, and BJ Peterson. (2015) The effects of coastal development on sponge abundance, diversity, and community composition on Jamaican coral reefs. *Marine Pollution Bulletin*. DOI: 10.1016/j.marpolbul.2015.05.014
4. **Stubler AD**, Furman BT, and BJ Peterson. (2014) Effects of $p\text{CO}_2$ on the interaction between an excavating sponge, *Cliona varians*, and a hermatypic coral, *Porites furcata*. *Marine Biology*, 161:1851-1859
3. Peterson BJ, Bricker E, Brisbin SJ, Furman, BT, **Stubler AD**, Berry D, Gobler CJ, and M Waycott. (2013) Genetic diversity and gene flow in *Zostera marina* populations surrounding Long Island, New York, USA: No evidence of inbreeding, genetic degradation or population isolation. *Aquatic Botany*, 110:61-66
2. Peterson BJ, **Stubler AD**, Wall CC, and CJ Gobler. (2012) Nitrogen rich groundwater intrusion affects productivity, but not herbivory of a tropical seagrass (*Thalassia testudinum*). *Aquatic Biology: Feature Article*, 15:1-9
1. Duckworth A, West L, Vansach T, **Stubler AD** and M Hardt. (2012) Effects of water temperatures and pH on growth and metabolite biosynthesis of coral reef sponges. *Marine Ecology Progress Series*, 462: 66-77

Manuscripts In Review and Preparation (available upon request)

10. **Stubler AD**, Stoker H, Styron HJ, Carroll JM, and CM Finelli (In Review) Reproductive and recruitment dynamics of clonaid sponges on oyster reefs in North Carolina. *Invertebrate Biology*.

FELLOWSHIPS, GRANTS and AWARDS

- Mote Marine Lab Postdoctoral Fellowship (*declined in favor of current postdoc position*), \$115,000, 2015
CERF Student Travel Grant, \$500, 2015
Smithsonian Predoctoral Fellowship, Smithsonian Institute, \$20,500, 2013
Short Term Research Fellowship, Smithsonian Tropical Research Institute, \$4,700, 2011
Graduate Student Summer Research Fellowship, Harbor Branch Oceanographic Institute/Florida Atlantic University, \$3,500, 2011
Evan R. Liblit Memorial Scholarship, Waste Reduction and Management Institute, \$1,200, 2012
Grants-in-Aid of Research, Sigma Xi, \$520, 2011
Lerner Gray Memorial Grant, American Museum of Natural History, \$1,000, 2011
Graduate Research Fellowship Program, National Science Foundation (NSF), Honorable mention, 2009
Best Student Oral Presentation, 37th Annual Benthic Ecology Meeting, 2008

TEACHING EXPERIENCE

Suffolk County Community College

- Introduction to Oceanography (Instructor of Record; Spring 2015, Fall 2015)
Introduction to Oceanography Lab (Instructor of Record; Spring 2015, Fall 2015)

Stony Brook University

- Tropical Marine Ecology (Assistant Instructor; Winter 2009, 2010, 2011, 2012, 2013, 2014, 2015)
Women in Science and Engineering Lab Rotation (Instructor of Record; Spring 2011)
Chemical Oceanography (Teaching Assistant; Fall 2008)
Environmental Law (Teaching Assistant; Fall 2008)

Southampton High School

- Oceanography: Ocean Acidification Unit (Guest Lecturer during 2-week unit; Spring 2014)

MENTORING

Graduate Thesis Committee Member

- 2016-2018 Emily Fox (M.S.) University of North Carolina Wilmington

Undergraduate Honors Thesis Advisor

- 2013-2015 Alyssa Stevens Stony Brook University

Undergraduate Research Mentor

- 2016 Jackson Bialek University of North Carolina Wilmington
2016 Jessica Watts University of North Carolina Wilmington
2014 Michelle Lewis Stony Brook University
2014 GraceAnne Taylor Stony Brook University
2014 Brooke Morrell Stony Brook University
2014 Paulina Miczko Stony Brook University
2013-2014 Jamie Gay Colorado State University
2013-2014 Sarah White DePauw University
2013 Ximena Boza Coastal Carolina University, University of Panama
2012-2015 Kaitlyn O'Toole Stony Brook University
2012-2015 Tracey Vlasak Stony Brook University

High School Research Mentor

2013-2015

Timothy Squires

Southampton High School

PRESENTATIONS

Invited Talks

- 2015 “Waves of change: how ocean acidification is reshaping coral reefs”, Stony Brook Southampton Public Lecture Series, Southampton NY, Fall 2015
- 2015 “Effects of anthropogenic stressors on species interactions: the good, the bad, and the unexpected”, Mote Marine Lab, Sarasota FL, Fall 2015
- 2014 “Waves of change: how ocean acidification is reshaping our reefs”, Suffolk County Community College, Selden, NY Spring 2012, Fall 2014
- 2013 “Understanding ocean acidification: impacts on coral reefs”, Smithsonian Tropical Research Institute, Public Lecture Series, Bocas del Toro, Panama, Fall 2013

Conferences

- 2016 Coral rubble community response to ocean acidification, 45th Annual Benthic Ecology Meeting, Oral Presentation.
- 2015 Using stochastic models: reef-level carbonate change in response to sponge erosion, acidification, and warming scenarios, CERF (Coastal Estuarine Research Federation), Invited Oral Presentation in Special Session.
- 2015 Sponge erosion under acidification and warming scenarios: differential impacts on living and dead corals, 44th Annual Benthic Ecology Meeting, Oral Presentation.
- 2014 Does sedimentation influence coral reef community succession?, 43rd Annual Benthic Ecology Meeting, Poster Presentation.
- 2012 Species interactions may amplify effects of ocean acidification on coral reefs, 41st Annual Benthic Ecology Meeting, Oral Presentation.
- 2011 The impact of anthropogenically enhanced sedimentation on recruitment of coral reef organisms, 40th Annual Benthic Ecology Meeting, Oral Presentation.
- 2010 The impact of anthropogenic sedimentation on sponge diversity and abundance, VIII World Sponge Conference, Poster Presentation.
- 2010 The impact of anthropogenic sedimentation on sponge diversity and abundance on the north shore of Jamaica, 39th Annual Benthic Ecology Meeting, Oral Presentation.
- 2009 The impacts of anthropogenic sedimentation on sponge growth and reproduction. 38th Annual Benthic Ecology Meeting, Poster Presentation.
- 2008 Groundwater impacts on seagrass growth, productivity and herbivory, 37th Annual Benthic Ecology Meeting, Oral Presentation.

PROFESSIONAL DEVELOPMENT and SERVICE ACTIVITIES

- Reviewer: *Marine Ecology Progress Series, Coral Reefs, Bulletin of Marine Science, ICES Journal of Marine Science, PeerJ, PLoS ONE*
- Member: Sigma Xi, Coastal and Estuarine Research Federation, Benthic Ecology Meeting Society
- 2016 Programming (R, Python, LaTeX, MATLAB) Working Group Member
- 2015 Session Chair, 44th Annual Benthic Ecology Meeting, Quebec City, Canada
- 2013 Data Analysis using R, Spring Seminar
- 2011 Okubo Distinguished Scholar, Event Organizer
- 2010 Sponge Taxonomy and Ecology Course, Smithsonian Tropical Research Institute, competitively selected participant.
- 2010 Graduate Student Club, Vice President
- 2008-2009 New York State Seagrass Taskforce, Special Technical Advisor

BROADER IMPACTS and OUTREACH

2016 Oxford University Podcast, 'The Oxford Comment', Climate Change Opinion Contributor
2015 STEM Symposium at William Floyd High School
2014-2015 Clams for Clams, Fundraising Gala for ShiRP, Volunteer
2011, 2013 Smithsonian Tropical Research Institute, YouTube Channel, Spotlight on a Researcher
2013 Ocean Portal, Smithsonian National Museum of Natural History, Blog Contributor
2013-2015 Shinnecock Bay Restoration Program (ShiRP): Clam Deployment, Event Organizer/Participant
2013-2015 Shinnecock Bay Restoration Program (ShiRP): Annual Eelgrass Restoration, Event coordinator
2012-2014 Bay Scallop Bowl, National Ocean Sciences Bowl Event, Volunteer
2011 Southern Fried Science, Blog Contributor

RELATED PROFESSIONAL SKILLS

R statistical software
SigmaStat statistical software
PRIMER multivariate data analysis software
ArcGIS software
AAUS Scientific Diver; >900 logged scientific dives
NAUI Nitrox
PADI Open Water
PADI Advanced Open Water
PADI Rescue Diver
PADI First Responder
American Red Cross First Aid/CPR and Oxygen Provider
MOCC boat operator, certified <60' vessels