

## **BIOLOGICAL SKETCH --Nicole D. Fogarty, PhD**

[nicole.fogarty@nova.edu](mailto:nicole.fogarty@nova.edu)

Nova Southeastern University Oceanographic Center  
8000 N. Ocean Blvd.  
Dania Beach, FL 33004-3078  
954-262-3630

## **PROFESSIONAL PREPARATION**

Wittenberg University	Biology Major, Environmental Science Minor	BA, May 1998
Florida State University	Department of Biological Science	PhD, Dec. 2010
Smithsonian Marine Station	Marine Science Network Postdoctoral Fellow	2010-2012

## **APPOINTMENTS**

2012–present Assistant Professor, Nova Southeastern University, Oceanographic Center,  
2010– 2012 Smithsonian Marine Science Network Postdoctoral Fellow  
2003– 2010 Teaching and Research Assistant Florida State University, Depart. of Biol. Sci.  
2003 Technician at NOS / NOAA, Center for Coastal Fisheries and Habitat Research  
2001-2002 Research Associate University of North Carolina Wilmington, Wilmington, NC  
2001 The Nature Conservancy Marine Program Manager, Key West, FL  
2000 The Nature Conservancy Marine Program Intern, Key West, FL  
1998-1999 Marine Science Instructor, Newfound Harbor Marine Institute, Big Pine Key, FL

## **FIVE PRODUCTS MOST CLOSELY RELATED TO THIS PROPOSAL**

**Fogarty, N.D.** 2012. Caribbean acroporid hybrids are viable across life history stages. *Marine Ecology Progress Series*. 446: 145-159.

**Fogarty, N.D.**, S.V. Vollmer, D.R. Levitan. 2012. Weak prezygotic isolating mechanisms in threatened coral species. *PLoS One* 7(2): e30486.doi:10.1371/journal.pone.0030486

Levitan, D.R., **N.D. Fogarty**, J. Jara, K. Lotterhos, and N. Knowlton. 2011. Genetic, spatial and temporal components to precise spawning synchrony in reef building corals of the *Montastraea annularis* species complex. *Evolution* 65 (5): 1254–1270

**Fogarty, N.D.**, M. Lowenberg, M.N. Ojima, and N. Knowlton, D.R. Levitan. 2012. Asymmetric conspecific sperm precedence in relation to spawning times in the *Montastraea annularis* species complex (Cnidaria: Scleractinia). *The Journal of Evolutionary Biology* 25: 2481-2488.

Ritson-Williams, R., S. Arnold, **N.D. Fogarty**, R. Steneck, M. Vermeij and V. Paul. 2009. New perspectives on ecological mechanisms affecting coral recruitment on reefs. *Smithsonian Contributions to Marine Science*, 38:437-457.

## **FIVE OTHER PRODUCTS**

Arnold, M.L. and **N.D. Fogarty**. 2009. Reticulate Evolution and Marine Organisms: The Final Frontier? 2009. *Int. J. Mol. Sci.* 10(9): 3836-3860.

Levitan, D.R., C.P. ter Horst, **N.D. Fogarty**. 2007. The risk of excess sperm in three congeneric sea urchins. *Evolution*. 61(8):2007-2014.

- Vermeij, M.J.A., **N.D. Fogarty**, M.W. Miller. 2006. Pre- and post-settlement dynamics of Caribbean coral planulae in a variable planktonic environment. *Marine Ecology Progress Series* 310:119-128.
- Piniak, G.A, **N.D. Fogarty**, C.M. Addison. 2005. Fluorescence census techniques for coral recruits. *Coral Reefs* 24(3): 496-500.
- Kirk, N.L., R.Ritson-Williams, M.A. Coffroth, M.W. Miller, **N.D. Fogarty**, S.R. Santos. 2013. Tracking Transmission of Apicomplexan Symbionts in Diverse Caribbean Corals (in press at PLoS ONE)

### **SYNERGISTIC ACTIVITIES (since 2010)**

- a) Changing Seas Series documentary highlighting my scientific research to air on the Miami public broadcast system WPBT to air June 2013
- b) Mini-documentary on acroporid demographic project at Carrie Bow Caye, Belize  
<http://ccre.si.edu/>
- c) Mentor High School Student, Michael Kaiser, St. Edwards High School, Vero Beach, FL 2-3 times a week (2010-2012)
- d) Public lectures: Center for Ocean Sciences (COSEE) events at the Museum of Arts and Sciences, Daytona, FL and at the Pelican Yacht Club, Fort Pierce, Florida and at Nova Southeastern University's Lifetime Learning Institute
- e) Developed COSEE Flash (Florida Aquatic Science Heroes) Video for 7<sup>th</sup> Graders (<http://www.youtube.com/watch?v=5clLIF9CYWk>)

### **COLLABORATORS**

- a) **Collaborators:** Mike Arnold (Georgia Tech), Suzanne Arnold (U. Maine), Iliana Baums (Penn State), Zachary Foltz (Smithsonian), Javier Jara (Smithsonian), Scott Jones (Smithsonian), Nancy Knowlton (Smithsonian), Don Levitan (Florida State U.), Katie Lotterhos (U. of British Columbia), Megan Lowenberg (Indian River St. Coll.), Miriam Ojima (Florida State U.), Valerie Paul (Smithsonian), Raphael Ritson-Williams (Smithsonian), Bob Steneck (U. Maine), Mark Vermeij (Univ. of Amsterdam), Steve Vollmer (Northeastern University), Cliff Ross (UNF)
- b) **Graduate Advisor/Post-doc Sponsors:** Don Levitan (PhD, Florida State University), Valerie Paul (Postdoc, Smithsonian, Nancy Knowlton (Postdoc, Smithsonian)
- c) **Thesis Advisors, 3 students:** Katie Bowen (Nova Southeastern U.-NSU); Kellie Pelikan (NSU); Josh Stocker (NSU): Total advised to date: 3