

*Curriculum Vitae*

**Donald C. Behringer**

**School of Forest Resources and Conservation  
Program in Fisheries and Aquatic Sciences  
University of Florida  
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**August 2018**

**EDUCATION**

University	Major	Degree	Date
Old Dominion University	Ecological Sciences	PhD	2003
University of Florida	Zoology	BS	1991

**EMPLOYMENT**

Dates	Employer	Location	Position
2014–Present	University of Florida	School of Forest Resources and Conservation	Associate Professor (tenured)
2010–2014	University of Florida	School of Forest Resources and Conservation	Assistant Professor (tenure accruing)
2008–2010	University of Florida	School of Forest Resources and Conservation	Research Assistant Professor
2006–2008	University of Florida	Department of Fisheries and Aquatic Sciences	Research Assistant Professor
2006	Broward County, Florida	Fort Lauderdale, FL	Natural Resource Specialist
2004–2006	Old Dominion University	Department of Biological Sciences	Research Associate
2004–2006	American Heritage School	Plantation, FL	Science Instructor
2004	Old Dominion University	Department of Biological Sciences	Adjunct Assistant Professor
2002–2004	Old Dominion University	Department of Biological Sciences	Postdoctoral Associate

**TEACHING**

*Marine Ecological Processes* (FAS 4270/6272, 3 credits)

*Field Ecology of Aquatic Organisms* (FAS 4932/5276C, 4 credits)

*UF in Cuba: Tropical Marine and Island Ecology* (FAS 4932, 4 credits)

*Aquatic Animal Conservation Issues* (VME 4906/VME 6934, 3 credits)

*Aquatic Wildlife Health Issues* (VME 4013/6011, 3 credits)

## PUBLICATIONS

### *Books*

Behringer, D.C., Silliman, B.R., and K.D. Lafferty (eds). *Proposal accepted – in preparation*. Marine Disease Ecology. Oxford University Press.

### *Book Chapters*

Behringer, D.C., Butler IV, M.J., and J.D. Shields. 2012. Juvenile Caribbean spiny lobsters are plagued by the lethal viral pathogen PaV1. Pages 387-388 in Kruczynski, W.L. and P.J. Fletcher (eds), *Tropical Connections: South Florida's Marine Environment*. IAN Press, University of Maryland Center for Environmental Science, Cambridge, Maryland.

### *Peer-reviewed Scientific Journal Articles*

Dickson, M.D., Behringer, D.C., and J.A. Baeza. *In review*. Population dynamics and reproductive characteristics of the peppermint shrimp *Lysmata boggessi*, a heavily traded invertebrate in the marine ornamental industry. Submitted to *Transactions of the American Fishery Society*.

Ross, E.P. and D.C. Behringer. *In review*. Changes in temperature, pH, and salinity affect the sheltering responses of Caribbean spiny lobsters to chemosensory cues. Submitted to *Scientific Reports*

Berkebile, N.P., Behringer, D.C., and J.A. Baeza. *In review*. Ecology of the Florida Sea Cucumber, *Holothuria floridana*, in seagrass and hard-bottom communities of the Florida Keys. Submitted to *Aquatic Ecology*.

Clark, A.C., Behringer, D.C., Small, J.M., and T.B. Waltzek. *In press*. Partial Validation of a TaqMan Real-Time Quantitative PCR Assay for the Detection of *Panulirus argus* Virus 1. *Diseases of Aquatic Organisms*.

Behringer, D.C., Karvonen, A., and J. Bojko. 2018. Parasite avoidance behaviours in aquatic environments. *Philosophical Transactions of the Royal Society B*. 373: 20170202. <http://dx.doi.org/10.1098/rstb.2017.0202>

Baeza, J.A., Steedman, S., Prakash, S., Liu, X., Bortolini, J.L., Dickson, M., and D.C. Behringer. 2018. Mating system and reproductive performance in the isopod *Parabopyrella lata*, a parasitic castrator of the 'peppermint' shrimp *Lysmata boggessi*. *Marine Biology* 165:41.

Baeza, J.A. and D.C. Behringer. 2017. Integrative taxonomy of the ornamental 'peppermint' shrimp public market and population genetics of *Lysmata boggessi*, the most heavily traded species worldwide. *PeerJ* 5:e3786; DOI 10.7717/peerj.3786.

Butler IV, M.J., Behringer, D.C., and M.M. Valentine. 2017. Commercial sponge fishery impacts on the population dynamics of sponges in the Florida Keys, FL (USA). *Fisheries Research* 190: 113-121.

Baeza, J.A. and D.C. Behringer. 2017. Small-scale spatial variation in population- and individual-level reproductive parameters of the blue-legged hermit crab *Clibanarius tricolor*. *PeerJ* 5:e3004; DOI 10.7717/peerj.3004.

- Truelove, N.K., Kough, A.S., Behringer, D.C., Paris, C.B., Box, S.J., Preziosi, R.F., and M.J. Butler IV. 2017. Biophysical connectivity explains population genetic structure in a highly dispersive marine species. *Coral Reefs* 36: 233–244.
- Behringer, D.C. and J.E. Hart. 2017. Competition with stone crabs drives juvenile spiny lobster abundance and distribution. *Oecologia* 184: 205-218.
- Truelove, N.K., Behringer, D.C., Butler IV, M.J., and R.F. Preziosi. 2016. Isolation and characterization of eight polymorphic microsatellites for the spotted spiny lobster, *Panulirus guttatus*. *PeerJ* 4:e1467; DOI 10.7717/peerj.1467.
- Butler, M.J. IV, Behringer, D.C., Dolan, T.W. III, Moss, J., and J. Shields. 2015. Host behavior suppresses a marine epizootic. *PLOS One* DOI: 10.1371/journal.pone.0126374.
- Gutzler, B.C., Butler IV, M.J., and D.C. Behringer. 2015. Casitas: a location-dependent ecological trap for juvenile Caribbean spiny lobsters, *Panulirus argus*. *ICES Journal of Marine Science* 72: i177-i184.
- Spanier, E., Lavalli, K.L., Goldstein, J.S., Groeneveld, J.C., Jordaan, G.L., Jones, C.M., Phillips, B.F., Bianchini, M.L., Kibler, R.D., Díaz, D., Mallol, S., Goñi, R., van der Meeren, G.I., Kleiven, A.R., Agnalt, A., Behringer, D.C., Keegan, W.F., and A. Jeffs. 2015. A concise review of lobster utilization by worldwide human populations from pre-history to the modern era. *ICES Journal of Marine Science* 72: i7-i21.
- Kough, A.S., Paris, C.B., Behringer, D.C., and M.J. Butler IV. 2015. Modeling the spread and connectivity of waterborne marine pathogens: the case of PaV1 in the Caribbean. *ICES Journal of Marine Science* 72: i139-i146.
- Truelove, N., Griffiths, S., Phil, M., Ley-Cooper, K., Azueta, J., Majil, I., Box, S., Behringer, D.C., Butler IV, M.J., and R.F. Preziosi. 2015. Genetic evidence from the spiny lobster fishery supports international cooperation among Central American marine protected areas. *Conservation Genetics* 16: 347-358.
- Baeza, J.A., Dickson, M.D., Squibb, R., Anderson, J.R., and D.C. Behringer. 2014. Aspects of the reproductive biology of a heavily traded ornamental shrimp, *Lysmata boggessi* (Crustacea, Decapoda, Caridea), in the southeastern Gulf of Mexico. *Journal of the Marine Biological Association of the United Kingdom* 94: 141-149.
- Moss, J., Behringer, D.C., Shields, J.D., Baeza, J.A., Aguilar-Perera, A., Bush, P.G., Dromer, C., Herrera-Moreno, A., Gittens, L.<sup>g</sup>, Matthews, T.R., McCord, M.R., Schärer, M.T., Reynal, L., Truelove, N.<sup>g</sup>, Butler IV, M.J. 2013. Distribution, prevalence, and genetic analysis of *Panulirus argus* Virus I from the Caribbean Sea. *Diseases of Aquatic Organisms* 104: 129-140.
- Anderson, J.R. and D.C. Behringer. 2013. Spatial dynamics in the social lobster *Panulirus argus* in response to diseased conspecifics. *Marine Ecology Progress Series* 474: 191-200.
- Anderson, J.R., Spadaro, A.J., Baeza, J.A., and D.C. Behringer. 2013. Ontogenetic resource allocation shifts in defensive structures of the Caribbean spiny lobster, *Panulirus argus* (Latreille, 1804). *Biological Journal of the Linnean Society* 108: 87-98.

- Baeza, J.A., Anderson, J.R., Spadaro, A.J., and D.C. Behringer. 2012. Sexual dimorphism, allometry, and size at first maturity of the Caribbean King Crab, *Mithrax spinosissimus*, in the Florida Keys. *Journal of Shellfish Research* 31: 909-916.
- Behringer, D.C., Butler, M.J. IV, and G.D. Stentiford. 2012. Disease effects on lobster fisheries, ecology, and culture: overview of DAO Special 6. *Diseases of Aquatic Organisms* 100: 89-93.
- Stentiford, G.D., Neil, D.M., Peeler, E., Shields, J.D., Small, H.J., Flegel, T.W., Vlak, J., Jones, B., Morado, F., Moss, S., Lotz, J., Bartholomay, L., Reantaso, M., Behringer, D.C., Hauton, C., and D.V. Lightner. 2012. Disease will limit future food supply from the global crustacean fishery and aquaculture sectors. *Journal of Invertebrate Pathology* 110: 141-157.
- Barbour, A.B., Adams, A.J., Yess, T., Behringer, D.C., and R.K. Wolfe. 2012. Comparison and cost-benefit analysis of PIT tag antennae resighting and seine-net recapture techniques for survival analysis of an estuarine-dependent fish. *Fisheries Research* 121-122: 153-160.
- Behringer, D.C. 2012. Diseases of wild and cultured juvenile crustaceans: insights from below the minimum landing size. *Journal of Invertebrate Pathology* 110: 225-233.
- Moss, J., Butler, M.J. IV, Behringer, D.C., and J.D. Shields. 2012. Genetic diversity of the Caribbean spiny lobster virus, *Panulirus argus* virus 1, and the discovery of PaV1 in lobster post-larvae. *Aquatic Biology* 14: 223-232.
- Behringer, D.C., Butler, M.J. IV, Shields, J.D., and J. Moss. 2012. PaV1 infection in the Florida Spiny Lobster Fishery and its Effects on Trap Function and Disease Transmission. *Canadian Journal of Fisheries and Aquatic Sciences* 69: 136-144.
- Behringer, D.C., Butler, M.J. IV, Shields, J.D., and J. Moss<sup>P</sup>. 2011. Review of *Panulirus argus* Virus 1 (PaV1) – a decade after its discovery. *Diseases of Aquatic Organisms* 94: 153-160.
- Behringer, D.C. and M.J. Butler IV. 2010. Disease avoidance and its role in shelter competition and predation in Caribbean spiny lobster. *Behavioral Ecology and Sociobiology* 64: 747-756.
- Kiryu, Y., Behringer, D.C., Landsberg, J.H., and D.B. Petty. 2009. Microsporidiosis in the Caribbean spiny lobster *Panulirus argus* from southeast Florida, USA. *Diseases of Aquatic Organisms* 84: 237-242.
- Behringer, D.C., Butler IV, M.J., Herrnkind, W.F., Hunt, J.H., Acosta, C.A., and W.C. Sharp. 2009. Is seagrass an important nursery habitat for the Caribbean spiny lobster, *Panulirus argus*, in Florida? *New Zealand Journal of Marine and Freshwater Research* 43: 327-337.
- Behringer, D.C., Butler IV, M.J., and J.D. Shields. 2008. Ecological and physiological effects of PaV1 Infection on the Caribbean Spiny Lobster (*Panulirus argus* Latreille). *Journal of Experimental Marine Biology and Ecology* 359: 26-33.

- Butler IV, M.J., Behringer, D.C., and J.D. Shields. 2008. Transmission of *Panulirus argus* virus1 (PaV1) and its effect on the survival of juvenile Caribbean spiny lobster. *Disease of Aquatic Organisms* 79: 173-182.
- Behringer, D.C., Butler IV, M.J., and J.D. Shields. 2006. Ecology: avoidance of disease in social lobsters. *Nature* 441: 421.
- Behringer, D.C. and M.J. Butler IV. 2006. Stable isotope analysis of production and trophic relationships in a tropical marine hard-bottom community. *Oecologia* 148: 334-341.
- Behringer, D.C. and M.J. Butler IV. 2006. Density-dependent population dynamics in juvenile *Panulirus argus* (Latrielle): the impact of artificial enhancement. *Journal of Experimental Marine Biology and Ecology* 334: 84-95.
- Shields, J.D. and D.C. Behringer. 2004. A new pathogenic virus in the Caribbean spiny lobster *Panulirus argus* from the Florida Keys. *Diseases of Aquatic Organisms* 59: 109-118.

### **Refereed Proceedings**

- Butler IV, M.J., Behringer, D.C. and J.D. Shields. 2007. Resource conditions: lobster disease and sponge fishery impacts. Pp. 139-142 *in*: Keller, B.D., and F.C. Wilmot, eds. Connectivity: science, people and policy in the Florida Keys National Marine Sanctuary. Colloquium proceedings, 19-21 August 2004, Key West, FL. Marine Sanctuaries Conservation Series NMSP-07. U.S. Department of Commerce, NOAA, National Marine Sanctuary Program, Silver Spring, MD. 272 pp.

### **Non-refereed Publications**

- Truelove, N., Preziosi, R., Behringer, D.C., and M.J. Butler IV. 2015. Characterization of two microsatellite PCR multiplexes for high throughput genotyping of the Caribbean spiny lobster, *Panulirus argus*. PeerJ Preprint.
- Anderson, J.R., and D.C. Behringer. 2012. PaV1 Detection by the Caribbean spiny lobster and its effect on population spatial structure. *Proceedings of the Gulf and Caribbean Fisheries Institute* 64: 427-428.
- Truelove, N.K., Burdfield-Steel, E., Griffiths, S., Ley-Cooper, K., Preziosi, R., Butler IV, M.J., Behringer, D.C., Box, S., and S. Canty. 2012. Genetic connectivity of Caribbean spiny lobster (*Panulirus argus*) in Belize. *Proceedings of the Gulf and Caribbean Fisheries Institute* 64: 463-467.
- Barbour, A.B., Adams, A, and D.C. Behringer. 2011. PIT tag antennae arrays as fishery monitoring tools in tropical environments. *Proceedings of the Gulf and Caribbean Fisheries Institute* 63: 118-124.
- Behringer, D.C., Butler IV, M.J., and J.D. Shields. 2010. A review of the lethal spiny lobster virus PaV1 – ten years after its discovery. *Proceedings of the Gulf and Caribbean Fisheries Institute* 62: 370-375.
- Butler IV, M.J., Mojica, A., Sosa-Cordero, E., Millet, M., Sanchez-Navarro, P., Maldonado, M., Posada, J., Rodriquez, B., Rivas, C.M., Oviedo, A., Arrone, M., Prada, M., Bach, N., Jimenez, N., Garcia-Rivas, M., Forman, K., Behringer, D.C.,

Matthews, T., Paris, C. and R. Cowen. 2010. Patterns of spiny lobster (*Panulirus argus*) postlarval recruitment in the Caribbean: a CRTR project. Proceedings of the Gulf and Caribbean Fisheries Institute 62: 360-369.

### ***Agency-reviewed Reports***

- Behringer, D.C. and R.A. Swett. 2015. Are Mooring Buoys Effective for Managing Vessel Anchoring and Coral Reef Impacts in South Florida? Project 11419 for the Florida Fish and Wildlife Conservation Commission, St. Petersburg, Florida. 44 pp.
- Behringer, D.C. and J.A. Baeza. 2014. Advancing Toward a Stock Status Evaluation for Key Species in the Florida Marine Life Fishery. Project 113203 for the Florida Fish and Wildlife Conservation Commission, St. Petersburg, Florida.
- Behringer, D.C. and J.A. Baeza. 2013. Life history studies on two emblematic ornamental crustaceans from the Florida Keys, the blue-legged hermit crab *Clibanarius tricolor* and peppermint shrimp of the genus *Lysmata*. Project 10323 for the Florida Fish and Wildlife Conservation Commission, St. Petersburg, Florida. 31 pp.
- Behringer, D.C. and J.A. Baeza<sup>P</sup>. 2012. Life history studies on two emblematic ornamental crustaceans from the Florida Keys, the blue-legged hermit crab *Clibanarius tricolor* and peppermint shrimp of the genus *Lysmata*. Project 10323 for the Florida Fish and Wildlife Conservation Commission, St. Petersburg, Florida. 35 pp.
- Behringer, D.C., Swett R.A., and T.K. Frazer. 2011. Determining coral reef impacts associated with boat anchoring and user activity in southeast Florida. Florida Department of Environmental Protection - Coral Reef Conservation Program, Miami Beach, Florida. 66 pp.
- Behringer, D.C. and R.A. Swett. 2011. Determining vessel use patterns in the southeast Florida region. Final report to the Florida Department of Environmental Protection, Miami Beach, Florida. 88 pp.
- Jacoby, C.A., Frazer, T.K., Saindon, D.D., Keller, S.R., and D.C. Behringer. 2008. Water quality characteristics of the nearshore Gulf coast waters adjacent to Pasco County: Project COAST 2000 - 2007. Annual Report. Southwest Florida Water Management District, Brooksville, Florida. 51 pp.
- Jacoby, C.A., Frazer, T.K., Saindon, D.D., Keller, S.R., and D.C. Behringer. 2008. Water quality characteristics of the nearshore Gulf coast waters adjacent to Citrus, Hernando and Levy Counties: Project COAST 1997 - 2007. Annual Report. Southwest Florida Water Management District, Brooksville, Florida. 62 pp.
- Frazer, T.K., Jacoby, C.A., Saindon, D.D., Keller, S.R., and D.C. Behringer. 2007. Water quality characteristics of the nearshore Gulf coast waters adjacent to Pasco County: Project COAST 2000 - 2006. Annual Report. Southwest Florida Water Management District, Brooksville, Florida. 47 pp.
- Frazer, T.K., Jacoby, C.A., Saindon, D.D., Keller, S.R., and D.C. Behringer. 2007. Water quality characteristics of the nearshore Gulf coast waters adjacent to Citrus, Hernando

and Levy Counties: Project COAST 1997 - 2006. Annual Report. Southwest Florida Water Management District, Brooksville, Florida. 58 pp.

### ***Other Non-refereed Publications***

Behringer, D.C. 2008. The COSEE:CGOM experience - a matter of perspective. Center for Ocean Science Education Excellence e-newsletter. October (<http://cosee-central-gom.org/documents/newsletter.pdf>).

### ***Miscellaneous Publications***

*The Lobster Newsletter* – a publication of the general lobster research community and published electronically.

**Topic** - A summary of the special session ‘Diseases & Parasites’ from the 11<sup>th</sup> International Conference and Workshop on Lobster Biology and Management in Portland, Maine June 4 – 9, 2017 (2017)

**Topic** - A call to all lobster pathophiles! This was an article reaching out to other lobster scientists for collaborations on pathogen screening of lobster species from across the globe. (2016)

**Topic** – A summary of the special session and workshop on disease from the 10<sup>th</sup> International Conference and Workshop on Lobster Biology and Management in Cancun, Mexico May 18 – 23, 2014 (2015)

**Topic** – A summary of the special session and workshop on disease from the 9<sup>th</sup> International Conference and Workshop on Lobster Biology and Management in Bergen, Norway June 20 – 24, 2011 (2012)

**Topic** – The first viral disease reported in lobster (2001)

*Water Works* – a University of Florida Cooperative Extension/Institute of Food and Agricultural Sciences publication highlighting aquaculture and pond management programs at the University of Florida.

**Topic** – Are mooring buoys worth their salt? (2012)

**Topic** – Lobster research (2007)

*LAKEWATCH* – a University of Florida publication dedicated to sharing information about water management and the Florida LAKEWATCH Program.

**Topic** – Algal blooms in Florida Bay test the mettle of spiny lobsters (Spring 2009)

### **INVITED SEMINARS AND PRESENTATIONS AT INSTITUTIONS**

- 2017 The Royal Society, Chicheley Hall, Buckinghamshire, UK
- 2017 Academia Hernando, Florida
- 2016 Reef Environmental Education Foundation, Florida
- 2016 University of Manchester, Manchester, UK
- 2016 Bournemouth University, UK
- 2016 Centre for Environmental, Fisheries, and Aquaculture Science, Lowestoft, UK
- 2015 Department of Biosciences, University of Exeter, Exeter, UK
- 2015 Centre for Environmental, Fisheries, and Aquaculture Science, Weymouth, UK
- 2015 European Union Reference Laboratory for Crustacean Diseases Meeting, UK
- 2015 Florida Interagency Fish and Wildlife Disease Working Group
- 2015 Department of Biological Sciences, Clemson University



2015 Biology Department, University of North Florida  
 2013 Coastal and Oceanographic Engineering, University of Florida  
 2013 Climate Change Symposium (plenary), University of Florida  
 2013 Wildlife and Aquatic Animal Veterinary Disease Laboratory, University of Florida  
 2013 Odum Center for Wetlands, University of Florida  
 2013 University and Industry Consortium spring meeting  
 2012 Institute of Marine and Environmental Science, University of Maryland  
 2012 School of Natural Resources and the Environment, University of Florida  
 2011 Marine Biology Club, University of Florida  
 2011 Evenings at Whitney Lecture Series, University of Florida  
 2011 University of Manchester, Manchester, UK  
 2009 Marine Biology Club, University of Florida  
 2009 Bigelow Marine Laboratory, Maine  
 2009 College of Veterinary Medicine, University of Florida  
 2008 Annual Docents Seminar, Florida Museum of National History  
 2008 Lighthouse Point Saltwater Sportsman's Association  
 2008 Center for Ocean Science Education Excellence, Cedar Key, Florida  
 2008 Pompano Beach Spearfishing Club  
 2007 College of Veterinary Medicine, University of Florida  
 2007 Department of Fisheries and Aquatic Sciences, University of Florida  
 2006 Smithsonian Institution Fort Pierce Research Station  
 2006 Center for Ocean Science Education Excellence, Cedar Key, Florida  
 2005 Florida Sea Grant National Review, University of Florida  
 2005 Center for Ocean Science Education Excellence, Cedar Key, Florida  
 2005 Florida Wildlife Research Institute, St. Petersburg, Florida  
 2003 Center for Ocean Science Education Excellence, Cedar Key, Florida  
 2003 Florida Marine Research Institute, St. Petersburg, Florida  
 2002 American Heritage School, Plantation, Florida  
 2001 Broward Community College, Fort Lauderdale, Florida

## CONTRACTS AND GRANTS

### List of Internal/External Funding 2002 – Present

Role	Agency	Grant Title & Dates	Total Award (\$)
PI	NOAA/FL Sea Grant	Reduction in trap-related mortality of sublegal Caribbean spiny lobsters through the development of an artificial bait based on natural aggregation pheromones. 2018-2020	\$199,928

<b>Role</b>	<b>Agency</b>	<b>Grant Title &amp; Dates</b>	<b>Total Award (\$)</b>
PI	IFAS Mid-Career Travel Award	Comparative Effects of Environmental Change on the Mediterranean Spiny lobster <i>Palinurus elephas</i>	\$8,804
Co-PI (30%)	National Science Foundation	Collaborative research: determining how variation in life history and connectivity drive pathogen-host dynamics and genetic structure in a trans-hemispheric pathosystem, 2017-2020	\$960,000
Co-PI (15%)	Bureau of Ocean Energy Management	Ecological Function and Recovery of Biological Communities in Dredged Ridge-Swale Habitats off the East Coast of Florida, 2016-2019 (continuation)	\$2,100,000
PI	Florida Sea Grant	Returning Ecological Function to Hard-bottom Regions in the Florida Keys through Sponge Restoration and its Importance for an Essential Fish Habitat, 2016-2018	\$197,519
PI	University of Florida Opportunity Seed Fund	Applying Advanced Tools in Molecular Biology and Phylogeography to Determining the Origins and Patterns of Dispersal in a Lethal Marine Pathogen, 2015-2017	\$85,502
PI	University of Florida – Faculty Enhancement Opportunity	Marine Pathogens as Drivers of Crustacean Ecology and Fishery Dynamics, 2015-2016	\$35,855
PI	National Oceanic and Atmospheric Administration (NOAA)-Saltonstall-Kennedy	Tools for Sustainably Managing the Florida Lobster Fishery Under Threat from Disease and Climate Change, 2014-2017	\$248,115
PI	Florida Fish and Wildlife Conservation Commission (FWC)	Ecological Importance and Genetic Population Structure of Several Invertebrates in the Florida Marine Life Fishery, 2014-2016	\$136,686
PI	FWC	Advancing Toward a Stock Status Evaluation for Key Species in the Florida Marine Life Fishery, 2014	\$30,000

<b>Role</b>	<b>Agency</b>	<b>Grant Title &amp; Dates</b>	<b>Total Award (\$)</b>
Co-PI (15%)	Bureau of Ocean Energy Management	Ecological Function and Recovery of Biological Communities in Dredged Ridge-Swale Habitats off the East Coast of Florida, 2013-2016	\$2,509,531
Co-PI (50%)	NOAA/ The Nature Conservancy (TNC)	Restoration of Shallow Sponge Communities in the Florida Keys: Phase II, 2012-2014	82,990
PI	NOAA/FL Sea Grant	Determining the ecological and epidemiological consequences of casitas in the Florida Spiny lobster fishery, 2012-2014	193,855
PI	FWC-State Wildlife Grants (FWC-SWG)	Are mooring buoys effective for managing vessel anchoring and coral reef impacts in south Florida? 2012-2014	81,717
PI	FWC	Life history studies on two emblematic ornamental crustaceans from the Florida Keys, the blue-legged hermit crab <i>Clibanarius tricolor</i> and peppermint shrimp of the genus <i>Lysmata</i> , 2011-2013	44,970
Co-PI (25%)	National Science Foundation (NSF)	Connectivity of disease in marine ecosystems: multi-scale dynamics of a viral disease infecting Caribbean spiny lobster, 2009-2013	1,409,633
Co-PI (50%)	NOAA/TNC	Restoration of shallow sponge communities in the Florida Keys: phase I, 2009-2011	82,318
Co-PI (50%)	US Park Service	A proposal for shallow hard-bottom sponge community restoration research in the Everglades National Park, 2009-2011	74,991
PI	FWC-SWG	Determining coral reef impacts associated with boat anchoring and user activity in Broward and Palm Beach Counties, 2008-2012	105,623
PI	Florida Department of Environmental Protection (FDEP)	Determining coral reef impacts associated with boat anchoring and user activity in Miami-Dade County, 2008-2011	91,993
PI	Mote Marine Lab	Determining coral reef impacts associated with boat anchoring and user activity, 2009-2011	40,892
PI	FDEP	Determination of vessel use patterns on coral reefs within the Southeast Florida Coral Reef Initiative (SEFCRI) region, 2008-2011	92,037

Role	Agency	Grant Title & Dates	Total Award (\$)
PI	Mote Marine Lab	Determining coral reef impacts associated with boat anchoring and user activity, 2008-2009	38,349
PI	NOAA/FL Sea Grant	The possible effects of commercial trap fishing on a lethal viral disease (PaV1) in spiny lobsters, 2008-2010	155,494
PI	Mote Marine Lab	Investigating the role of the spotted spiny lobster ( <i>Panulirus guttatus</i> ) on the recovery of the long-spined sea urchin ( <i>Diadema antillarum</i> ) on the coral reefs of the Florida Keys, 2008-2009	13,961
PI	NOAA	The impact of anthropogenic disturbance on the prevalence and distribution of the lethal spiny lobster pathogen PaV1 in the Caribbean, 2006-2007	62,678
Co-PI (25%)	NSF	Disease dynamics in degraded nurseries: ecology of viral disease in a social, marine animal, 2005-2008	528,878
Co-PI (25%)	NSF	The behavioral and ecological effects of viral disease in Caribbean Spiny Lobster, 2002-2004	381,543

## UNIVERSITY GOVERNANCE AND SERVICE

### University

- Chair, 2018 North Florida Marine Science Symposium Committee
- Member, Center for Latin American Studies – Cuba Working Group, 2015 – Present
- Member, Environmental Health and Science building committee, 2014 – Present
- Co-chair, 2014 North Florida Marine Science Symposium Committee, 2013, 2015, 2017
- Co-organized a National Science Foundation “Broader Impacts 2.0” workshop to instruct faculty from across UF about changes to the NSF merit review criteria, 2013
- Co-chair, 2013 UF Marine Biology Symposium Committee, 2012 – 2013
- Chair, 2012 UF Marine Biology Symposium Committee, 2011 – 2012
- Co-chair, 2011 UF Marine Biology Symposium Committee, 2010 – 2011
- Chair, 2010 UF Marine Biology Symposium Committee, 2009 – 2010

### College of Agricultural and Life Sciences

- Member, Search and Screen Committee for School of Forest Resources and Conservation Unit Director position, 2016
- Member, Search and Screen Committee for Florida Cooperative Fish and Wildlife Research Unit Director position, 2014, 2015 (second search)
- Member, Awards of Excellence in Graduate Research Dissertation Committee, 2013
- Member, Awards of Excellence in Graduate Research Thesis Committee, 2012
- Member, College of Agricultural and Life Sciences Interdisciplinary Sciences Marine Science Major Development Committee, 2011 – 2012

### **School of Forest Resources and Conservation**

- Member, School of Forest Resources and Conservation- Name Change Committee, 2017 – 2018
- Chair, Peer Teaching Evaluation Committee for Dr. Shirley Baker, Associate Professor, 2017 - 2018
- Member, Peer Teaching Evaluation Committee for Dr. Alison Adams, Assistant Professor, 2017
- Member, Distance Education Committee, 2014 – Present
- Member, Graduate Programs Committee, 2014 – Present
- Member, Peer evaluation committee for Dr. Frank Chapman, Associate Professor, 2014
- Member, Faculty Advisory Committee, 2012 – 2014
- Chair, Peer evaluation committee for Dr. Daryl Parkyn, Research Associate Professor, 2012 – 2013
- Member, John Gray Lecture and Fall Symposium Organizing Committee, 2011
- Member, Natural Resources and Conservation Major Curriculum Implementation Committee, 2010 – 2011
- Member, Natural Resources and Conservation Major Curriculum Revision Committee, 2010 - 2011
- Coordinator, School of Forest Resources and Conservation Program in Fisheries and Aquatic Sciences Seminar Series, 2008 – 2010
- Member, Ad-hoc, Institute of Food and Agricultural Sciences Innovation Fund Proposal Review Committee, SFRC – 2008
- Member, Ad-hoc, UF Research Opportunity Incentive Seed Fund Proposal Review Committee, SFRC – 2008

### **SERVICE TO SCHOOLS**

- Howard Bishop Middle School Science Fair Judge – 2016, 2017

- Gave presentation on arthropod locomotion at the Florida Museum of Natural History spring break camp – 2015
- Gave presentation to 4<sup>th</sup> graders at Talbot Elementary School on the application of the scientific method in field research – 2014
- Presentations (2) on spiny lobster ecology for the Florida Museum of Natural History summer camp program – 2013
- Gave a presentation on my research to 80 high school students through the online Florida Virtual School – 2013
- Presentation during “Amazing Arthropods” week of the Florida Museum of Natural History summer camp program – 2012
- Fort Clarke Middle School Science Fair judge – 2011 – 2012, 2014
- Presentation to local East Side High School students interested in careers in marine science – 2011
- Kanapaha Middle School, Meet a Scientist Day – 2010
- Lincoln Middle School Science Fair judge – 2007, 2013

#### **MEMBERSHIP AND ACTIVITIES IN THE PROFESSION**

- Technical Advisory Committee appointee, Florida Department of Environmental Protection/ National Oceanic and Atmospheric Administration - Southeast Florida Coral Reef Initiative (national), 2015 – Present
- Scientific Reports, 2016 – Present (Editorial Board Member)
- Frontiers in Marine Science – Coral Reef Research, 2014 – Present (Review Editor)
- Frontiers in Marine Science – Marine Conservation and Sustainability, 2014 – Present (Review Editor)
- Chair, American Fisheries Society Marine and Coastal Fisheries Publication Awards Committee, 2014 – Present
- Secretary, Benthic Ecology Meeting Society, 2012 – Present
- Invited to participate as an expert on a scientific panel discussion of the documentary “My Village, My Lobster” during the International Wildlife Film Festival in Missoula, Montana, 2012
- Diseases of Aquatic Organisms, guest editor for special edition on lobster disease
- Organizing committee chair/co-chair, UF Marine Biology Symposium (regional), 2010 – Present
- Organizing committee member, International Conference and Workshop on Lobster Biology and Management (Norway, 2010 – 2011, Mexico, 2013 – 2014), 2016 – 2017 (Portland, Maine)
- Member, Society for Invertebrate Pathology (international), 2011 – Present
- Organizing committee member, 6<sup>th</sup> International Symposium on Aquatic Animal Health, Tampa, FL, 2009 – 2010
- Member, Crustacean Society (international), 2006-Present
- Member, National Shellfisheries Association (national), 2002 – 2004, 2009

- Advisory board member, Center for Ocean Science Education Excellence – Gulf of Mexico (regional), 2005 – 2011
- Advisory board member, Florida Department of Environmental Protection/ National Oceanic and Atmospheric Administration - Southeast Florida Coral Reef Initiative (national), 2006 – 2015

## **HONORS AND AWARDS**

- UF/IFAS Global Fellow Award (2018)
- Fulbright U.S. Scholar, University of Exeter and the Centre for Environmental, Fisheries and Aquaculture Science, United Kingdom, 2015-2016
- Nominated for the UF/IFAS Online Education Excellence Award (2014)
- Nominated for the UF/IFAS Graduate Mentor of the Year award (2013)
- National Shellfisheries Association Meeting, Best Oral Presentation - Honorable Mention (2002)
- Sigma Xi student poster competition, Old Dominion University, 2nd place (2002)
- Virginia Bagely Scholarship, Department of Biological Sciences, Old Dominion University (1998)
- Outstanding Graduate Teaching Assistant, Department of Biological Sciences, Old Dominion University (1998)
- Phi Kappa Phi Honor Society, Old Dominion University (1998)
- Outstanding Graduate Teaching Assistant, Department of Biological Sciences, Old Dominion University (1996)

### ***Student Honors and Awards***

- Alecia Adamson (M.S.) – American Association of Underwater Scientists Kevin Gurr Scholarship (2009)
- Andrew Barbour (Ph.D.) – NSF Graduate Fellowship (2010 – 2013)
- Andrew Barbour (M.S.) – School of Forest Resources and Conservation M.S. Graduate Student of the Year (2011)
- Andrew Barbour (Ph.D.) – Jimmy Cheek Graduate Student Medal of Excellence (2011)
- Andrew Barbour (Ph.D.) – School of Forest Resources and Conservation Ph.D. Graduate Student of the Year (2012)
- Andrew Barbour (Ph.D.) – Roger Rottman Memorial Scholarship (2012)
- Andrew Barbour (Ph.D.) – American Fisheries Society – Florida Chapter, Jack Dequine best student paper award (2012)
- Andrew Barbour (Ph.D.) – Florida Outdoor Writer's Association Scholarship (2012)
- Joshua Anderson (M.S.) – Nominated for IFAS Award for Excellence in Graduate Thesis Research (2012)

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- Michael Dickson (M.S.) – Florida Sea Grant Aylesworth Scholarship (2012 – 2013)
  - Andrew Barbour (Ph.D.) - School of Forest Resources and Conservation, Fisheries and Aquatic Sciences Best Dissertation of the Year (2013)
  - Danielle Puls (M.S.) – Florida Sea Grant Scholar (2014)
  - Abigail Clark (Ph.D.) – Florida Sea Grant Scholar (2014)
  - Abigail Clark (Ph.D.) – CALS Graduate Student Scholarship (2014)
  - Abigail Clark (Ph.D.) – Cynthia Melnick Scholarship (2014)
  - Abigail Clark (Ph.D.) – Davidson Travel Scholarship (2014)
  - Michael Dickson (M.S.) – School of Forest Resources and Conservation, Fisheries and Aquatic Sciences Best Thesis of the Year Award (2014)
  - Michael Dickson (M.S.) – School of Forest Resources and Conservation, Fisheries and Aquatic Sciences M.S. Graduate Student of the Year (2014)
  - Erica Ross (Ph.D.) – Guy Harvey Scholarship (2015)
  - Daniel Veras (M.S.) – Fulbright Postbaccalaureate Award (2016 – 2018)
  - Erica Ross (Ph.D.) – Florida Sea Grant Scholar (2017 – 2018)
  - Devon Pharo (M.S.) – Florida Sea Grant Scholar (2017 – 2018)
  - Devon Pharo (M.S.) – Florida Sea Grant Aylesworth Scholarship (2017 – 2018)
  - Elizabeth Duermit (Ph.D.) – UF Pre-eminence Graduate Fellowship (2017 – 2021)
  - Erica Ross (Ph.D.) – Davidson Travel Scholarship (2017)
  - Erica Ross (Ph.D.) – Cynthia Melnick Scholarship (2017)
  - Katherine Rose (undergraduate) – University Scholar (2017)
  - Katherine Rose (undergraduate) – CALS Leadership Institute (2017)
  - Elizabeth Duermit (Ph.D.) – North Florida Marine Science Symposium – Best Graduate Student Poster (2018)
  - Elizabeth Duermit (Ph.D.) – FILAMO Movement Ecology Workshop Scholarship, Capetown, South Africa (2018)