Michael Studivan, Ph.D.

University of Miami CIMAS, NOAA–AOML• 4301 Rickenbacker Causeway, Miami, FL 33149 Phone: (305) 361-4361 • E-Mail: michael.studivan@noaa.gov • Website: michaelstudivan.weebly.com

Education

- Ph.D. Integrative Biology, Florida Atlantic University Degree Conferred May 2018, GPA 4.0
- M.S. Biological Sciences, Florida Atlantic University
 Degree Conferred Aug 2016, GPA 4.0
- B.A. Biology, St. Mary's College of Maryland. Minors: Film & Media Studies, Environmental Studies Degree Conferred May 2011 *cum laude*, GPA: 3.7, Biology: 3.7

Research Interests

I am an Assistant Scientist at the University of Miami's Cooperative Institute for Marine and Atmospheric Studies (CIMAS) and NOAA's Atlantic Oceanographic and Meteorological Laboratory (AOML). My research utilizes molecular techniques for assessments of coral disease transmission and treatments, population connectivity, and coral resilience with the goal of encouraging effective conservation of marine resources. My graduate research examined the ecology of mesophotic coral reefs (30–150 m), specifically the genetic connectivity among shallow and mesophotic reefs and the role of phenotypic plasticity in coral adaptation to depth, as part of the research objectives of NOAA's Cooperative Institute for Ocean Exploration, Research, and Technology (CIOERT).

Professional Experience

Assistant Scientist UM-CIMAS, NOAA-AOML Coral Program

Jan 2020 – present

Applying 'omics approaches to characterize coral disease vectors/treatments, reef population connectivity, and coral resilience through field- and lab-based experiments. Leading grant-funded projects related to stony coral tissue loss disease (SCTLD) transmission/treatment, marginal coral reefs, and coral genotype assessment. Mentoring postdocs, students, and technicians.

Postdoctoral Fellow Dr. Joshua Voss

May 2018 - Jan 2020

Characterized responses to stony coral tissue loss disease and intervention strategies through RNA-Seq and 3D modeling. Coordinated field expeditions using technical SCUBA and ROV technologies. Developed and maintained educational outreach through multimedia and social media-based platforms.

Dissertation Research "Genetic connectivity and phenotypic plasticity of mesophotic and shallow coral ecosystems in the Gulf of Mexico" Dr. Joshua Voss

Aug 2012 – May 2018

Assessed population structure of shallow and mesophotic corals in the Gulf of Mexico and Caribbean. Profiled whole-transcriptome gene expression across shallow and mesophotic corals in the Gulf of Mexico and Belize using an RNA-Seq pipeline. Quantified gene expression plasticity during one-year transplant experiment at Flower Garden Banks. Examined variation in corallite skeletal structure between shallow and mesophotic reef environments.

Lab Technician, Chesapeake Biological Laboratory Dr. Jacqueline Grebmeier	Sep 2011 – May 2012
Lab Technician, Chesapeake Biological Laboratory Dr. Tom Miller	Jan 2011 – May 2011
Undergraduate thesis (St. Mary's Project): "The effect of the oil dispersant Corexit® EC9500A on bleaching of the alcyonacean soft coral Xenia elongata" Dr. Walter Hatch	Aug 2010 – May 2011
Directed research, St. Mary's College of Maryland Dr. John Ramcharitar	Aug 2009 – May 2010
Lab Technician, St. Mary's College of Maryland	May 2010 – May 2011
Assistant Aquarist, St. Mary's College of Maryland	Sep 2009 – May 2011

Publications

- 1. Zhang Y, Gantt SE, Keister EF, Elder H, Kolodziej G, Aguilar C, **Studivan MS**, Williams DE, Kemp DW, Manzello DP, Enochs IC, Kenkel CD (in revision) Performance of *Orbicella faveolata* larval cohorts does not align with previously observed thermal tolerance of adult source populations.
- 2. **Studivan MS**, Eckert RJ, Shilling E, Soderberg N, Enochs IC, Voss JD (accepted) Stony coral tissue loss disease intervention with amoxicillin leads to a reversal of disease-modulated gene expression pathways. *Molecular Ecology*
- 3. Morris JT; Enochs IC; **Studivan MS**; Young BD; Mayfield A; Soderberg N; Traylor-Knowles N; Kolodziej G; Manzello D (accepted) Ocean acidification influences the gene expression and physiology of two Caribbean bioeroding sponges. *Frontiers in Marine Science*
- 4. Sturm AS, Eckert RJ, Carreiro A, Klein A, **Studivan MS**, Dodge-Farelli D, Simões N, González-Díaz P, González Méndez J, Voss JD (in revision) Does depth divide? Variable genetic connectivity patterns among shallow and mesophotic *Montastraea cavernosa* coral populations across the Gulf of Mexico and western Caribbean. *Ecology and Evolution*
- 5. Enochs IC, **Studivan MS**, Kolodziej G, Foord C, Basden I, Boyd A, Formel N, Kirkland A, Rubin E, Jankulak M, Smith I, Kelble C, Manzello D (2023) Coral persistence despite marginal conditions in the Port of Miami. *Scientific Reports* 13:6759
- 6. Robertson EP, Walsh DP, Martin J, Work TM, Kellogg CA, Evans JS, Barker V, Hawthorn A, Aeby G, Paul VJ, Walker BK, Kiryu Y, Woodley CM, Meyer JL, Rosales SM, **Studivan MS**, Moore JF, Brandt ME, Bruckner A (2023) Rapid prototyping for quantifying belief weights of competing hypotheses about emergent diseases. *Journal of Environmental Management* 337:117668
- 7. Johnston MA, **Studivan MS**, Enochs IC, Correa AMS, Besemer N, Eckert RJ, Edwards K, Hannum R, Hu X, Nuttall M, O'Connell K, Palacio-Castro AM, Schmahl GP, Sturm AB, Ushijima B, Voss JD (2023) Coral disease outbreak at the remote Flower Garden Banks, Gulf of Mexico. *Frontiers in Marine Science* 10:1111749
- 8. **Studivan MS**, Baptist M, Molina V, Riley S, First M, Soderberg N, Rubin E, Rossin A, Holstein D, Enochs IC (2022) Transmission of stony coral tissue loss disease (SCTLD) in simulated ballast water confirms the potential for ship-born spread. *Scientific Reports* 12:19248
- Traylor-Knowles N, Baker AC, Beavers KM, Garg N, Guyon JR, Hawthorn A, MacKnight NJ, Medina M, Mydlarz LD, Peters EC, Stewart JM, Studivan MS, Voss JD (2022) Advances in immunity 'omics in response to coral disease outbreaks. Frontiers in Marine Science 9:952199

- 10. **Studivan MS**, Rossin AM, Rubin E, Soderberg N, Holstein DM, Enochs IC (2022) Reef sediments can act as a stony coral tissue loss disease (SCTLD) vector. *Frontiers in Marine Science* 8:815698
- 11. Kolodziej G, **Studivan MS**, Gleason ACR, Langdon C, Enochs IC, Manzello DP (2021) Impacts of stony coral tissue loss disease (SCTLD) on coral community structure at an inshore patch reef of the upper Florida Keys using photomosaics. *Frontiers in Marine Science* 8:682163
- 12. Combs IR, **Studivan MS**, Eckert RJ, Voss JD (2021) Quantifying impacts of stony coral tissue loss disease on corals in Southeast Florida through surveys and 3D photogrammetry. *PLOS ONE* 16(6): e0252593
- 13. **Studivan MS**, Shatters A, Dodge DL, Beal JL, Voss JD (2021) Synergistic effects of thermal stress and estuarine discharge on transcriptomic variation of *Montastraea cavernosa* corals in southeast Florida. *Frontiers in Marine Science* 8:662220
- 14. **Studivan MS**, Voss JD (2020) Transcriptional plasticity of mesophotic corals among natural populations and transplants of *Montastraea cavernosa* in the Gulf of Mexico and Belize. *Molecular Ecology* 29:2399–2415
- 15. Eckert RJ, Reaume AM, Sturm AB, Studivan MS, Voss JD (2020) Depth influences Symbiodiniaceae community variation among *Montastraea cavernosa* corals on the Belize Barrier Reef. Frontiers in Microbiology 11:518
- 16. Dodge DL, **Studivan MS**, Eckert RJ, Chei E, Beal J, Voss JD (2020) Population structure of the scleractinian coral *Montastraea cavernosa* in southeast Florida. *Bulletin of Marine Science* 96:767–782
- 17. Eckert RJ, **Studivan MS**, Voss JD (2019) Populations of the coral species *Montastraea cavernosa* on the Belize Barrier Reef lack vertical connectivity. *Scientific Reports* 9:7200
- 18. **Studivan MS**, O'Neal G, Voss JD (2019) *Montastraea cavernosa* corallite structure demonstrates distinct morphotypes across shallow and mesophotic depth zones in the Gulf of Mexico. *PLOS ONE* 14: e0203732
- 19. Reed JK, González-Díaz P, Busutil L, Farrington S, Martínez-Daranas B, Cobián Rojas D, Voss JD, Diaz C, David A, Hanisak MD, González Mendez J, García Rodríguez A, González-Sánchez P, Viamontes Fernández J, Estrada Pérez D, Studivan MS, Drummond F, Jiang M, Pomponi SA (2018) Cuba's mesophotic coral reefs and associated fish communities. Revista de Investigaciones Marinas 38:56–125
- 20. **Studivan MS**, Voss JD (2018) Population connectivity among shallow and mesophotic *Montastraea* cavernosa corals in the Gulf of Mexico identifies potential for population refugia. Coral Reefs 37:1183–1196
- 21. Garavelli L, **Studivan MS**, Voss JD, Kuba A, Figueiredo J, Chérubin LM (2018) Assessment of mesophotic coral ecosystem connectivity for proposed expansion of a marine sanctuary in the northwest Gulf of Mexico: larval dynamics. *Frontiers in Marine Science* 5:174
- 22. **Studivan MS**, Voss JD (2018) Assessment of mesophotic coral ecosystem connectivity for proposed expansion of a marine sanctuary in the northwest Gulf of Mexico: population genetics. *Frontiers in Marine Science* 5:152

23. **Studivan MS**, Hatch WI, Mitchelmore CL (2015) Responses of the soft coral *Xenia elongata* following acute exposure to a chemical dispersant. *SpringerPlus* 4:80

First-Author Presentations

- 1. **Studivan MS**, Soderberg N, Chomitz B, Boyd A, Rubin E, Kiel P, Kolodziej G, Enochs IC (2023) Evaluating resilience of corals from urbanized environments in the Port of Miami. 51st Benthic Ecology Meeting, Miami, Florida. **Oral**
- 2. **Studivan MS**, Soderberg N, Chomitz B, Boyd A, Rubin E, Kiel P, Kolodziej G, Enochs IC (2022) Experimental evaluation of resilience characteristics of corals from marginal environments in the Port of Miami. *Reef Futures Symposium*, Key Largo, Florida. **Oral**
- 3. **Studivan MS**, Eckert RJ, Shilling E, Soderberg N, Enochs IC, Voss JD (2022) Optimizing stony coral tissue loss disease intervention strategies through whole-transcriptome gene expression profiling. *15th International Coral Reef Symposium*, Bremen, Germany. **Oral**
- 4. **Studivan MS**, Rossin AM, Rubin E, Soderberg N, Holstein DM, Enochs IC (2021) Can reef sediments serve as a SCTLD reservoir? *74th Gulf and Caribbean Fisheries Institute Conference*, Virtual. **Oral**
- 5. **Studivan MS**, Voss JD (2019) Mesophotic-omics: integrating transcriptomics, transplants, & algal symbiosis to understand coral adaptation in the Gulf of Mexico. *Society for Integrative and Comparative Biology Annual Meeting*, Tampa, FL. **Poster**
- 6. **Studivan MS**, Voss JD (2018) Mesophotic-omics: integrating transcriptomics, transplants, and population genomics to understand connectivity of coral reefs in the Gulf of Mexico. *Mesophotic Coral Reef Ecosystems Gordon Research Conference*, Lewiston, ME. **Poster**
- 7. **Studivan MS**, Voss JD (2017) A depth of differences? Transplants and transcriptomic analyses of shallow and mesophotic corals. *European Coral Reef Symposium*, Oxford, UK. **Oral**
- 8. **Studivan MS**, Voss JD (2017) Integrating population genetics and gene expression profiling to describe connectivity of a depth generalist coral species in the Gulf of Mexico and West Florida Shelf. *38th Meeting of the United States Coral Reef Task Force*, Fort Lauderdale, FL. **Poster**
- 9. **Studivan MS**, Voss JD (2017) Population genetics & gene expression reveal broad connectivity among shallow & mesophotic reefs in the Gulf of Mexico. *47th Benthic Ecology Meeting*, Myrtle Beach, SC. **Oral**
- 10. **Studivan MS**, O'Neal G, Voss JD (2017) Plasticity, ecomorphs, & adaptation? *Montastraea cavernosa* has shallow & depth-generalist morphotypes across mesophotic reefs in the Gulf of Mexico. 47th *Benthic Ecology Meeting*, Myrtle Beach, SC. **Oral**
- 11. **Studivan MS**, Voss JD (2017) Gene flow in the twilight zone: assessing genetic connectivity of a depth generalist coral species across shallow and mesophotic reef ecosystems in the Gulf of Mexico and Caribbean. *Global Biodiversity Genomics Conference*, Washington, DC. **Poster**
- 12. **Studivan MS**, Voss JD (2016) Comparing genetic connectivity and gene expression across shallow and mesophotic reef corals in the Gulf of Mexico. *13th International Coral Reef Symposium*, Honolulu, HI. **Oral**

- 13. **Studivan MS** (2016) Assessment of the OpenROV platform for exploration of mesophotic coral reefs and monitoring of technical divers. *Graduate and Professional Student Association Research Day*, Boca Raton, FL. **Poster**
- 14. **Studivan MS**, Voss JD (2015) Connectivity and plasticity of mesophotic corals in the Gulf of Mexico. *Graduate and Professional Student Association Research Day*, Boca Raton, FL. **Poster**
- 15. **Studivan MS**, Voss JD (2015) Connectivity and plasticity of mesophotic corals in the Gulf of Mexico. *45th Benthic Ecology Meeting*, Quebec City, Canada. **Poster**
- 16. **Studivan MS**, Voss JD (2014) Connectivity and plasticity of mesophotic corals in the Gulf of Mexico and Caribbean. *Graduate and Professional Student Association Research Day*, Boca Raton, FL. **Poster**
- 17. **Studivan MS**, Voss JD (2014) A reciprocal transplant experiment with a mesophotic coral species. *44*th *Benthic Ecology Meeting*, Jacksonville, FL. **Oral**
- 18. **Studivan MS**, Hatch WI, Mitchelmore CL (2011) Effects of the oil dispersant Corexit EC9500A on bleaching of the alcyonacean soft coral *Xenia elongata*. *Sigma Xi Annual Meeting*, Raleigh, NC. **Poster**
- 19. **Studivan MS**, Hatch WI, Mitchelmore CL (2011) Effects of the oil dispersant Corexit EC9500A on bleaching of the alcyonacean soft coral *Xenia elongata*. *Coastal and Estuarine Research Federation* 21st Biennial Conference, Daytona Beach, FL. **Poster**
- 20. **Studivan MS**, Hatch WI, Mitchelmore CL (2011) The effect of the oil dispersant Corexit EC9500A on bleaching of the alcyonacean soft coral *Xenia elongata*. *Atlantic Estuarine Research Society Spring Meeting*, Solomons, MD. **Oral**

Research Expeditions

India (2010); Carrie Bow Cay, Belize (2010, 2014, 2016, 2017); Pulley Ridge/Dry Tortugas (2014); Flower Garden Banks National Marine Sanctuary (2014, 2015, 2015, 2016, 2016, 2018, 2022, 2023); *Oculina* Banks, Florida (2015); Cuba (2017); Florida Keys (2019); USVI (2023)

Funding & Research Scholarships

National Marine Fisheries Service Habitat Conservation District, Port of Miami Coral Spawning and Recruitment	\$89,306	Jul 2023 – Sep 2023
Florida Department of Environmental Protection, SCTLD Resistance in Restoration Genotypes	\$285,767	Jul 2023 – Jun 2024
NOAA Ocean and Atmospheric Research Omics Grant, Restoring Resilient Reefs (co-PI)	\$1,017,562	Oct 2022 – Sep 2024
Florida Department of Environmental Protection, SCTLD Environmental Cofactors (co-PI)	\$147,582	Jul 2022 – Jun 2023
Florida Department of Environmental Protection, SCTLD Resistance in Restoration Genotypes (co-PI)	\$866,696	Jan 2021 – Mar 2023
NOAA Coral Reef Conservation Program, Coral Disease Abatement (co-PI)	\$780,000	Oct 2020 – Sep 2023

Environmental Protection Agency, SCTLD Ballast Water Transmission (PI)	\$109,827	May 2020 – Sep 2021
National Marine Fisheries Service, Port of Miami Coral Mitigation (PI)	\$100,000	Apr 2020 – Oct 2021
NOAA Ocean and Atmospheric Research Omics Grant, SCTLD Transmission (co-PI)	\$117,495	Oct 2019 – Sep 2020
Division of Research Dissertation Year Award	\$1,000	Jan 2017
Graduate Fellowship for Academic Excellence, Florida Atlantic University	\$2,500	Jul 2016
Lutz Memorial Scholarship, Florida Atlantic University	\$500	Nov 2015
Southern Association of Marine Laboratories Student Support	\$250	Nov 2015
Comprehensive Land Observation via Unmanned Drone (CLOUD, co-PI)	\$17,354	May 2015
GRIP Grant for OpenROV reef surveys, Florida Atlantic University	\$1,500	May 2015
Marine Technology Society Bussman Graduate Scholarship	\$2,500	Jun 2014
President's Challenge Scholarship, Florida Atlantic University	\$12,500	Aug 2013
Reid Nix Endowed Scholarship, Florida Atlantic University	\$1,876	Aug 2013
Teaching Assistantship, Florida Atlantic University	\$28,000	Aug 2012 – May 2014
Sigma Xi Grant-in-Aid of Research	\$1,000	Oct 2010

Communication & Outreach

Reuters Interview Jul 2023

"Florida's rising water temperatures raise concerns for health of coral reefs, scientists say" https://www.reuters.com/world/us/floridas-rising-water-temperatures-raise-concerns-health-coral-reefs-scientists-2023-07-15/

NOAA Press Releases Aug 2022 – present

"Port of Miami corals remarkably persistent" https://www.aoml.noaa.gov/port-of-miami-corals-remarkably-persistent/

"Coral rescue in Miami Beach" https://www.aoml.noaa.gov/news/coral-rescue/

"Experts learn from coral disease outbreak" https://www.aoml.noaa.gov/learn-from-coral-disease-outbreak/

"Sediments a likely culprit in spread of deadly disease on Florida coral reefs, study finds" https://www.aoml.noaa.gov/sediments-a-likely-culprit-in-spread-of-disease-on-florida-coral-reefs/

University of Miami Press Releases

Nov 2022 – present

"Scientists try to ID pathogen that has decimated coral reefs" https://news.miami.edu/stories/2023/01/scientists-try-to-id-pathogen-that-has-decimated-coral-reefs.html

"Deadly coral disease in Florida, Caribbean may be transported in ship hulls, study finds" https://news.miami.edu/rosenstiel/stories/2022/11/deadly-coral-disease-in-florida-caribbean-may-be-transported-in-ship-hulls-study-finds.html

"Marine disaster: Ships may be fueling a coral-killing epidemic" https://scitechdaily.com/marine-disaster-ships-may-be-fueling-a-coral-killing-epidemic/

"Sediments a likely culprit in spread of deadly disease on Florida coral reefs, study finds" https://news.miami.edu/rsmas/stories/2022/01/sediments-a-likely-culprit-in-spread-of-deadly-disease-on-florida-coral-reefs-study-finds.html

Nerd Nite Miami Nov 2022

"Living in Miami sucks (a coral's perspective)

Miami New Times Interview Aug 2022

"Researchers rescue corals damaged in Miami Beach seawall collapse" https://www.miaminewtimes.com/news/endangered-coral-colonies-rescued-from-beach-miami-seawall-collapse-15073556

Phillip and Patricia Frost Museum of Science World Ocean Day

Jun 2022

"Corals in PortMiami: A story of dredging, disease, and...survival?"

NPR WLRN Interview

Jan 2022

"NOAA study finds lethal stony coral disease can hide in sand and spread infection" https://www.wlrn.org/news/2022-01-26/noaa-study-finds-lethal-stony-coral-disease-can-hide-in-sand-and-spread-infection

Mesophotic.org Editor & Contributor

Oct 2017 – Apr 2021

Social media coordinator, Twitter @mesophotic

Behind the Science: "Coral population connectivity reveals potential for refugia in Gulf of Mexico" http://mesophotic.org/posts/coral-population-connectivity-reveals-potential-for-refugia-in-gulf-of-mexico

Early Career Scientist: http://mesophotic.org/posts/michael-studivan

Fort Lauderdale International Boat Show Nov 2018

"New Technologies for Coral Reef Exploration and Conservation"

NOAA Ocean Explorer Cuba's Twilight Zone Reefs and Their Regional Connectivity May 2017

"Western Cuba: A Stepping Stone for Corals in the Gulf of Mexico?" https://oceanexplorer.noaa.gov/explorations/17cuba-reefs/logs/may23/may23.html

Harbor Branch Mini Brown Bag Lunch Seminar Series	Apr 2016
"Coral reef science in the 21st century: new genetic and remotely operated	
technologies to study thousand-year-old coral reefs"	
Comprehensive Landscape Observation via Unmanned Drone (CLOUD)	May 2015 – Oct 2015
YouTube "Voss Lab at FAU Harbor Branch"	
NOAA Ocean Explorer Coral Ecosystem Connectivity 2014	Jul 2014
"June 2014 Sampling Cruise"	
https://oceanexplorer.noaa.gov/explorations/14pulleyridge/background/spreesummary/spreesummary.html	
NOAA Okeanos Explorer Exploration of the Gulf of Mexico Cruise	Apr 2014
"Collecting Data Without Getting Wet"	
http://oceanexplorer.noaa.gov/okeanos/explorations/ex1402/logs/apr29/apr29.html	
St. Lucie County Schools Scientist Lecturer	Apr 2013 – Apr 2016
St. Mary's River Project Education	Aug 2008 – May 2009
Mentorship & Teaching Experience	
Lorelei Ing (NOAA Hollings Scholar)	May 2023 – Aug 2023
Taylor Gill (AOML Coral Program Intern)	Mar 2023 – present
Zachary Zagon (UM MPS Student)	Nov 2022 – Aug 2023
Ted Gniffke (NOAA NERTO Master's Intern)	May 2022 – Aug 2022
Dr. Benjamin Young (CIMAS Postdoc)	Feb 2022 – present
Michelle Baptist (UM MPS Student)	Jun 2021 – Dec 2021
Gillian Millstein (Coral Reef and Molecular Ecology Lab Intern)	May 2016 – Aug 2016
Nancy Sealover (Coral Reef and Molecular Ecology Lab Intern)	May 2015 – Aug 2015
Samantha Johnston (FAU Honors College Undergraduate Student)	Aug 2014 – May 2015
Alicia Courtemanche (FAU Semester by the Sea Undergraduate Student)	Jan 2014 – May 2014
TA, Marine Microbial & Molecular Biology (OCB 4525L)	Jan 2013 – May 2014
TA, Anatomy & Physiology I (BSC 2085L)	Aug 2012 – Dec 2012
TA, Ecology of Coastal Systems (BIOL 463)	Aug 2010 – Dec 2010
TA, Principles of Biology I (BIOL 105L)	Aug 2009 – Dec 2009
Academic Honors & Awards	
Best Student Poster, Mesophotic Coral Reef Ecosystems Gordon Research Conference	Jun 2018
FAU Three Minute Thesis Heat Second Runner-Up	Nov 2016

Best Student Oral Presentation, 13 th International Coral Reef Symposium	Jun 2016
Film "Black & Blue: Estuarine Discharge on St. Lucie Reef" selected for screening at Beneath the Waves Film Festival, Portland, ME	Mar 2016
Film "Exploring Twilight Reefs of the Flower Garden Banks" selected for screening at the BLUE Gulf Film Festival, Corpus Christi, TX	Nov 2015
Outstanding Graduate Student Poster, Benthic Ecology Meeting	Mar 2015
Biology Department Award, Overall Excellence in an Oral Presentation of a St. Mary's Project, St. Mary's College of Maryland	May 2011
Biology Department Award, Academic Distinction and Service, St. Mary's College of Maryland	May 2011
Study Abroad Award, St. Mary's College of Maryland	Mar 2010
Academic Achievement Scholarship, St. Mary's College of Maryland	Aug 2009
Smart Grant, St. Mary's College of Maryland	Aug 2009

Service & Professional Development

International Coral Reef Society Conservation Committee	Mar 2019 – present
Beta Beta Biological Honor Society, Chapter President	Aug 2010 – May 2011
Omicron Delta Kappa Leadership Honor Society	Aug 2010 – May 2011
SCUBA Club Founder and President	Aug 2010 – May 2011
Eagle Scout	Jan 2007

Software & Lab Skills

Unix command line, Perl, Python	CPCe with Excel Extensions
DESeq2, GO-MWU, KOGMWU, WGCNA, dadi	DJI Inspire 1 pilot
GeneMapper, Arlequin, Structure, Migrate, BayesAss	Adobe Creative Suite 6
RNA-Seq/2bRAD Library Preparation/Analysis	ESRI ArcGIS
Microsatellite Amplification/Analysis	Microsoft Access
R, Primer 7, SAS 9.3, IBM SPSS	Apple Final Cut Pro X

Affiliations & Memberships

TDI Technical Diver, Advanced Nitrox, Advanced	Society for Integrative and Comparative
Decompression, Extended Range, Trimix, CCR	Biology
AAUS Scientific Diver, 190'	International Coral Reef Society
GUE Fundamentals Diver	Coastal and Estuarine Research Federation
PADI Gas Blender, Advanced Open Water Diver,	Marine Technology Society
Enriched Air Diver	

Michael Studivan, Ph.D.

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PSI/PCI Fill Station Operator

Sigma Xi

DOI Motorboat Operator Certification Course

References

Dr. Ian Enochs – NOAA supervisor; Atlantic Oceanographic and Meteorological Laboratory

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Dr. Benjamin Kirtman – UM supervisor; Cooperative Institute for Marine and Atmospheric Studies

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Dr. Joshua Voss - Postdoc advisor, Ph.D. advisor; Florida Atlantic University

(772) 242 - 2538

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Dr. Marc Slattery - Ph.D. committee member; The University of Mississippi

(662) 915 - 1053

slattery@olemiss.edu