

**Colleen B Bove, Ph.D.** (*she/her/hers*)  
Email: colleenbove@gmail.com | Phone: (919) 606-4926  
Website: <https://colleenbove.science> | *GitHub*: [github.com/seabove7](https://github.com/seabove7)

## EDUCATION

---

- Ph.D. in Ecology      **University of North Carolina at Chapel Hill** (2015 – 2020)  
Advisor: Dr. Karl Castillo  
Dissertation: *Regional and species level responses of Scleractinian corals under global change within the Caribbean Sea*
- B.S. in Marine Biology      **University of North Carolina at Wilmington** (2010 – 2014)  
Cum Laude, Honors  
Honors Thesis: *Responses of coral gastrovascular cavity pH to changes in light level and seawater pH suggest species-specific responses to the effects of ocean acidification on calcification*  
(Advisor: Dr. Alina Szmant)

## POSTDOCTORAL EXPERIENCE

---

- Postdoctoral Associate Lecturer      **Boston University** (2020 – present)  
Advisor: Dr. Sarah Davies
- Postdoctoral Researcher      **University of North Carolina at Chapel Hill** (2020)  
Advisor: Dr. John Bruno

## PUBLICATIONS

---

(\* Undergraduate mentee; \* Senior and corresponding author)

- 2021      Aichelman HE, **Bove CB**, Castillo KD, Boulton JM, Knowlton AC, Nieves OC, Ries JB, Davies SW. *Exposure duration modulates the response of Caribbean corals to global change stressors*. *Limnology & Oceanography*. DOI: 10.1002/lno.11863.
- 2021      Davies SW, Putnam HM, Ainsworth T, Baum JK, **Bove CB**, Crosby SC, Côté IM, Duploux A, Fulweiler RW, Griffin AJ, Hanley TC, Hill T, Humanes A, Metaxas A, Parker L, Rivera HE, Silbiger NJ, Smith NS, Spalding AK, Traylor-Knowles N, Weigel BL, Wright RM, Bates AE. *Promoting inclusive metrics of success and impact to dismantle a discriminatory reward system in science*. *PLoS Biology*. DOI: 10.1371/journal.pbio.3001282.
- 2021      Baumann JH, **Bove CB**, Carne L, Castillo KD. *Two offshore coral species show greater acclimatization capacity to environmental variation than nearshore counterparts in Southern Belize*. *Coral Reefs*. DOI: 10.1007/s00338-021-02124-8.
- 2020      **Bove CB**, Whitehead RF, Szmant AM. *Responses of coral gastrovascular cavity pH during light and dark incubations to reduced seawater pH suggest species-specific responses to the effects of ocean acidification on calcification*. *Coral Reefs*. DOI: 10.1007/s00338-020-01995-7
- 2020      **Bove CB**, Umbanhowar J, Castillo KD. *Meta-analysis reveals reduced coral calcification under projected ocean acidification and warming across the Caribbean*. *Frontiers in Marine Science*, 7:1-11. DOI: 10.3389/fmars.2020.00127
- 2019      **Bove CB**, Ries JB, Davies SW, Westfield IT, Umbanhowar J, Castillo KD. *Common Caribbean corals exhibit highly variable response to predicted future acidification and warming*. *Proceedings of the Royal Society B*, 286:1-9. DOI: 10.1098/rspb.2018.2840

- 2018 Benson BE, Rippe JP, **Bove CB**, Castillo KD. *Apparent timing of Siderastrea siderea density banding in relation to colony growth and physiology*. Coral Reefs, 38:165-176. DOI: 10.1007/s00338-018-01753-w
- In Revision **Bove CB**, Mudge L, Bruno, JF. *A century of warming on Caribbean reefs*. (PLOS Climate; preprint available: <https://doi.org/10.1101/2021.05.12.443696>)
- In Review **Bove CB**, Davies SW, Ries JB, Umbanhowar J, Thomasson BC\*, Farquhar EB\*, McCoppin JA\*, Castillo KD. *Global change differentially modulates coral physiology and suggests future shifts in Caribbean reef assemblages*. (Global Change Biology; preprint available: <https://doi.org/10.1101/2021.07.13.452173>)
- In Prep **Bove CB**, Castillo KD, Ries JB, Davies SW. *Siderastrea siderea host gene expression and holobiont phenotype is driven by dominant Symbiodiniaceae genus*.
- In Prep Oliveira KS\*, Thomasson BC\*, Ries JB, Castillo KD, **Bove CB**\*. *Global change impacts on the skeletal morphology of the Caribbean coral Siderastrea siderea over time*.
- In Prep Rippe JP, Baumann JH, **Bove CB**, Aichelman HA, Davies SW, Castillo CD. *Modern reversal of coral growth-climate connection*.
- In Prep Castillo KD, Davies SW, **Bove CB**, Ries JB. *Local Adaptation and transcriptomic plasticity of a resilient Caribbean coral*.
- In Prep Brandt M, Romero IS, Garnica DF, Agudo-Adriani E, **Bove CB**, Bruno JF. *Top-Down and Bottom-Up Control in the Galápagos Upwelling System*.

## EXPERIENCES

- 
- 2020 – 2021** **Statistics and Visualization Consultant** University of North Carolina at Chapel Hill  
Perform data management, visualization, and statistical analysis in R and python of large sea surface temperature datasets, as well as consult on several ongoing projects in the Bruno Marine Ecology and Conservation Lab at UNC Chapel Hill.
- 2019 – 2021** **R Programming Contractor** CISME Instruments, LLC, Wilmington, NC  
Write R software program to analyze data output from CISME device for Photosynthesis-Irradiance curves. CISME is now sold by Qubit Systems ([qubitbiology.com/cisme/](http://qubitbiology.com/cisme/)).
- 2015** **Research Assistant** University of North Carolina at Chapel Hill  
Plan and carry out 6-month ocean acidification and warming mesocosm experiment using four species of Caribbean corals at Northeastern University's Marine Science Center (with Dr. Justin Ries). Responsibilities included maintaining over 40 experimental aquaria, feeding corals, maintain and measuring water chemistry, and monitoring growth of corals specimens.
- 2014 – 2015** **Laboratory Technician** University of North Carolina at Chapel Hill  
Oversee daily lab activities of graduate and undergraduate students conducting research in the lab. Coordinate and execute field work with lab in Florida, Panama, and Belize.
- 2011 – 2014** **Research Assistant** University of North Carolina at Wilmington  
Conduct independent undergraduate research honors thesis assessing effects of ocean acidification on coral calcification and physiology. Also assisted in aquarium upkeep containing research coral samples.

- 2011 Aquarium Education Intern** NC Aquarium at Forth Fisher  
Answer questions and provide information to visitors about Aquarium exhibits, train new education volunteers, and assist with organization and supervision of volunteers. Lead educational presentations including animal interactions, feeding demonstrations, live dive shows, and classroom activities.
- 2010 – 2014 Aquarium Education and Dive Volunteer** NC Aquarium at Forth Fisher  
Interact with visitors at exhibits to provide information about exhibits and assist with cleaning and maintenance inside Aquarium exhibits.

## RESEARCH FUNDING AND FELLOWSHIPS

*The asterisk (\*) indicates a grant for which I was not the official PI due to graduate student status but was the lead writer and researcher on the project.*

- 2019 **UNC Dissertation Completion Fellowship** (\$20,000)
- 2019 **Lerner-Gray Grants for Marine Research**, American Museum of Natural History; Understanding the physiological responses of four Caribbean reef-building coral holobionts under projected ocean acidification and warming scenarios **PI: Colleen Bove** – \$3370
- 2019 **Rufford Small Grants for Nature Conservation**, The Rufford Foundation; Continuing research on coral acclimation on the Belize Mesoamerican Barrier Reef System **PI: Justin Baumann** – £20,000, **Co-PI: Colleen Bove**
- 2018 **UNC Off Campus Research Fellowship** (\$10,000)
- 2018 **Steven W. Matson Summer Research Fellowship** (\$5,000)
- 2018 **\*University Research Council Small Grant**, University of North Carolina at Chapel Hill; Disentangling the transcriptomic responses of the coral host and algal endosymbiont under projected global change **PI: KD Castillo** – \$7500, **Role: Project lead**
- 2018 **Sea of Change Foundation Marine Conservation Scholarship**, Women Diver Hall of Fame; Disentangling the transcriptomic responses of the coral host and algal endosymbiont under projected global change **PI: Colleen Bove** – \$2000
- 2017 **Hill Foundation Fellowship in Marine Science**, University of North Carolina at Chapel Hill; Funds to support an undergraduate researcher in investigating how global change impacts coral algal endosymbiont physiology **PI: Colleen Bove** – \$250
- 2012 **Gillings Fellowship** (\$10,000 to study at University of Southampton, England)

## AWARDS AND HONOURS

- 2019 48<sup>th</sup> Benthic Ecology Meeting 2<sup>nd</sup> Best Graduate Student Oral Presentation (\$100)
- 2019 UNC Graduate Student Transportation Grant (\$2,000)
- 2019 Mentee (Bailey Thomasson) awarded UNC Department of Biology's 2019 Robert Coker Award for excellence in research for her honors thesis *Examining the combined effect of ocean acidification and warming on the skeletal morphology of Siderastrea siderea*
- 2018 UNC Graduate Student Professional Federation Travel Grant (\$400)
- 2018 UNC Environment and Ecology Graduate Symposium Best Oral Presentation (\$50)
- 2018 Undergraduate mentee awarded Best Poster Presentation – Climate Change Symposium (\$200)
- 2017 University of North Carolina Chapel Hill Graduate Student Mentoring Award
- 2017 Honorable Mention in National Science Foundation Graduate Research Fellowship Program
- 2017 4<sup>th</sup> Annual UNC Climate Change Symposium Best Poster Presentation (\$400)
- 2017 UNC Academic Research Conference Best Natural Sciences Oral Presentation
- 2016 Honorable Mention in National Science Foundation Graduate Research Fellowship Program
- 2014 UNCW Distinguished Undergraduate Research Scholar
- 2014 Benthic Ecology Meeting Best Undergraduate Poster Presentation Award (\$100)
- 2013 Chancellor's Achievement Award

2013 UNCW CSURF Fall Student Travel Award (\$1,000)

## PROFESSIONAL SERVICE

---

*Session chair, Symposium: Coral Reefs and Climate Change; Society of Integrative and Comparative Biology, Washington, DC and virtual, 2021*

*Reviewer for: National science Foundation (NSF), Frontiers in Marine Science, PLOS ONE, PLOS Climate, Nature Climate Change, Coral Reefs, Proceedings of the Royal Society – Biology*

## DIVERSITY, EQUITY, JUSTICE, AND INCLUSION

---

2021 – Present *Boston University Biology Antiracism Committee; member*  
2021 *The Biology Prospective Scholars Program; Boston University; mentor*  
2021 *Emerging Scholars Integrative Scholars Program; Boston University; organizer*  
2021 *BU Career Exploration and Learning in Life Sciences; panel member*  
2021 *SICB Broadening Participation; mentor*  
2020 *Disabled in STEM; mentor*  
2019 – Present *Society for Women in Marine Science (SWMS); mentor*  
2018 – 2021 *UNC Chancellor Science Scholar; undergraduate student mentor*

## INVITED SEMINARS AND LECTURES

---

2021 *Global change ecophysiology: from ecosystems to individuals (Boston University, EBE-MB Chalk Talk Seminar Series) October 2021*  
2021 *Physiological and transcriptomic responses of Caribbean corals under global change (University of Rhode Island, Bio@Noon Seminar Series) February 2021*  
2020 *Coral reefs under global change (Boston University Marine Program, guest lecture) December 2020*  
2020 *Coral reefs under global change (Georgetown University, Environmental Geoscience, guest lecture) October 2020*  
2020 *Regional and species level responses of Scleractinian corals under global change within the Caribbean Sea (The University of Texas Marine Science Institute, Departmental Seminar) June 2020*  
2020 *Caribbean reef-building corals exhibit highly variable growth and physiological responses under projected global change (The Maritime Aquarium at Norwalk, CT Science Seminar Series) February 2020*  
2019 *Physiological and transcriptomic responses of coral hosts and algal symbionts of four Caribbean corals under global change (UNC Chapel Hill Environment, Ecology, and Energy Program Seminar Series) October 2019*  
2018 *Understanding the physiological responses of the coral host and algal symbiont of four Caribbean corals under ocean acidification and warming (Boston University Marine Program, guest lecture) November 2018*  
2018 *Impacts of ocean acidification and warming on the growth and physiology of four Caribbean reef-building corals (UNC Asheville, invited seminar) September 2018*  
2018 *Chasing Corals film screening expert panel (UNC Chapel Hill) March 2018*  
2017 *Acidification and warming impair calcification and survivorship of Caribbean corals (Boston University Marine Program, guest lecture webinar) December 2017*  
2017 *Acidification and warming impair calcification and survivorship of Caribbean corals (Climate Change Working Group, US Coral Reef Task Force, invited webinar) March 2017*

## PRESENTATIONS (\* Undergraduate mentee)

---

2021 **CB Bove**, SW Davies, JB Ries, J Umbanhowar, KD Castillo. *Physiological and transcriptomic responses of Caribbean corals under global change*. Society for Integrative and Comparative Biology. Washington, DC, USA. Oral Presentation.

- 2020 **CB Bove**, SW Davies, JB Ries, J Umbanhowar, KD Castillo. *Physiological and transcriptomic responses of Caribbean corals under global change*. 14th International Coral Reef Symposium. Bremen, Germany. Oral Presentation. *Delayed due to COVID-19*
- 2020 Christian T\*, Williams O\*, **Bove CB**, Castillo KD. *Impact of winter ocean warming and reduced food availability on calcification rates of the temperate coral *Oculina arbuscula**. 14th International Coral Reef Symposium. Bremen, Germany. Poster Presentation. *Delayed due to COVID-19*
- 2020 Baumann JH, **Bove CB**, Carne L, Gutierrez I, Castillo KD. *Back reef corals exhibit greater physiological plasticity under environmental variation than nearshore counterparts*. 14th International Coral Reef Symposium. Bremen, Germany. Oral Presentation. *Delayed due to COVID-19*
- 2020 **CB Bove**, SW Davies, JB Ries, J Umbanhowar, KD Castillo. *Physiological and transcriptomic responses of Caribbean corals under global change*. 14th International Coral Reef Symposium. Bremen, Germany. Oral Presentation. *Delayed due to COVID-19*
- 2020 **Bove CB**, Umbanhowar J, Castillo KD. *Meta-analysis reveals reduced coral calcification under projected ocean acidification and warming across the Caribbean*. Benthic Ecology Meeting. Wilmington, NC, USA. Oral Presentation. *Cancelled due to COVID-19*
- 2020 McCoppin J\*, Farquhar E,\* **Bove CB**, Castillo KD. *Assessing the Bleaching Response of Four Common Caribbean Corals and their Symbionts Using RGB Color Analysis*. Benthic Ecology Meeting. Wilmington, NC, USA. Oral Presentation. *Cancelled due to COVID-19*
- 2020 Oliveira K\*, **Bove CB**, Ries JB, Castillo KD. *Impacts of Global Climate Change on the Skeletal Morphology of the Caribbean coral *Siderastrea siderea* (Massive Starlet Coral)*. Benthic Ecology Meeting. Wilmington, NC, USA. Oral Presentation. *Cancelled due to COVID-19*
- 2020 **Bove CB**, Davies SW, Ries JB, Umbanhowar J, McCoppin J\*, Farquhar E,\* Castillo KD. *Identifying physiological and transcriptomic responses of the coral host and algal endosymbionts of four Caribbean corals under global change*. Society for Integrative and Comparative Biology. Austin, TX, USA. Oral Presentation. January 2020
- 2019 **Bove CB**, Davies SW, Ries JB, Umbanhowar J, Castillo KD. *Ocean acidification and warming impact physiology of the algal symbiont to a greater extent than the host in four common Caribbean corals*. Benthic Ecology Meeting. St. John's, Newfoundland, Canada. Oral Presentation. April 2019
- 2019 McCoppin J\*, Farquhar E,\* **Bove CB**, Castillo KD. *Assessing the Bleaching Response of Four Common Caribbean Corals and their Symbionts Using RGB Color Analysis*. April 2019. Symbiofest. Athens, GA, USA. Oral Presentation.
- 2019 Oliveira K\*, **Bove CB**, Ries JB, Castillo KD. *Impacts of Global Climate Change on the Skeletal Morphology of the Caribbean coral *Siderastrea siderea* (Massive Starlet Coral)*. April 2019. Symbiofest. Athens, GA, USA. Oral Presentation.
- 2019 **Bove CB**, Davies SW, Ries JB, Umbanhowar J, Castillo KD. *Ocean acidification and warming impact physiology of the algal symbiont to a greater extent than the host in four*

- common Caribbean corals*. Society for Integrative and Comparative Biology. Tampa, FL, USA. Oral Presentation. January 2019
- 2018 Thomasson B\*, **Bove CB**, Ries JB, Castillo KD. *Examining the combined effect of ocean acidification and warming on the skeletal morphology of *Siderastrea siderea**. April 2018. 6<sup>th</sup> UNC Climate Change Symposium. Chapel Hill, NC, USA. Poster Presentation.
- 2018 **Bove CB**, Davies SW, Ries JB, Umbanhowar J, Castillo KD. *Ocean acidification and warming impact physiology of the algal symbiont to a greater extent than the host in four common Caribbean corals*. Symbiofest. Athens, GA, USA. Oral Presentation. April 2018
- 2018 **Bove CB**, Davies SW, Ries JB, Umbanhowar J, Castillo KD. *Ocean acidification and warming impact physiology of the algal symbiont to a greater extent than the host in four common Caribbean corals*. Graduate Research and Policy Expo. Chapel Hill, NC, USA. Lightning Talk. April 2018
- 2018 **Bove CB**, Davies SW, Ries JB, Umbanhowar J, Castillo KD. *Ocean acidification and warming impact physiology of the algal symbiont to a greater extent than the host in four common Caribbean corals*. UNC E3P Research Symposium. Chapel Hill, NC, USA. Oral Presentation. March 2018
- 2017 **Bove CB**, Ries JB, Davies SW, Westfield IT, Castillo KD. *Acidification and warming impair calcification and survivorship of Caribbean corals*. 46<sup>th</sup> Benthic Ecology Meeting. Myrtle Beach, SC, USA. Oral Presentation. April 2017.
- 2017 Benson BE\*, Rippe JP, **Bove CB**, Castillo KD. *Apparent timing of *Siderastrea siderea* density banding in relation to colony growth and physiology*. April 2017. 46<sup>th</sup> Benthic Ecology Meeting. Myrtle Beach, SC, USA. Poster Presentation.
- 2017 Boulton J\*, Knowlton AC\*, Davies SW, **Bove CB**, Ries JB, Castillo KD. *Coral and associated symbiont physiologies are resilient to changes in pCO<sub>2</sub> but are negatively affected by temperature stress*. April 2017. 46<sup>th</sup> Benthic Ecology Meeting. Myrtle Beach, SC, USA. Poster Presentation.
- 2017 **Bove CB**, Ries JB, Davies SW, Westfield IT, Castillo KD. *Acidification and warming impair calcification and survivorship of Caribbean corals*. 5<sup>th</sup> Annual UNC Climate Change Symposium. Chapel Hill, NC, USA. Poster Presentation. March 2017.
- 2016 **Bove CB**, Ries JB, Davies SW, Westfield IT, Castillo KD. *Acidification and warming impair calcification and survivorship of Caribbean corals*. 13th International Coral Reef Symposium. Honolulu, HI, USA. Oral Presentation. June 2016.
- 2016 **Bove CB**, Ries JB, Davies SW, Westfield IT, Castillo KD. *Acidification and warming impair calcification and survivorship of Caribbean corals*. Symbiofest. University of Georgia, Athens, GA, USA. Oral Presentation. May 2016.
- 2016 **Bove CB**, Ries JB, Davies SW, Westfield IT, Castillo KD. *Acidification and warming impair calcification and survivorship of Caribbean corals*. ASLO Ocean Sciences Meeting. New Orleans, LA, USA. Oral Presentation. February 2016.
- 2016 Townsend, JE\*, **Bove CB**, Baumann J, Davies SW, Castillo KD. *The interactive effect of nutrients and salinity on corals from distinct thermal environments on the Belize Barrier Reef System*. February 2016. ASLO Ocean Sciences Meeting. New Orleans, LA, USA. Poster Presentation.

- 2015 **Bove CB**, Whitehead RF, Szmant AM. *Effects of seawater pH on the gastrovascular cavity of the corals Montastraea cavernosa and Duncanopsammia axifuga: Can corals counteract the effects of ocean acidification?* March 2015. Benthic Ecology Meeting. Quebec City, Canada. Oral Presentation.
- 2014 **Bove CB**, Whitehead RF, Szmant AM. *Effects of seawater pH on the gastrovascular cavity of the corals Montastraea cavernosa and Duncanopsammia axifuga: Can corals counteract the effects of ocean acidification?* April 2014. University of North Carolina at Wilmington Undergraduate Research Showcase. Wilmington, NC, USA. Poster Presentation.
- 2014 **Bove CB**, Whitehead RF, Szmant AM. *Effects of seawater pH on the gastrovascular cavity of the corals Montastraea cavernosa and Duncanopsammia axifuga: Can corals counteract the effects of ocean acidification?* April 2014. Colonial Academic Alliance Undergraduate Research Conference. Baltimore, MD, USA. Oral Presentation.
- 2014 **Bove CB**, Whitehead RF, Szmant AM. *Effects of seawater pH on the gastrovascular cavity of the corals Montastraea cavernosa and Duncanopsammia axifuga: Can corals counteract the effects of ocean acidification?* March 2014. Benthic Ecology Meeting. Jacksonville, FL, USA. Poster Presentation.
- 2013 **Bove CB**, Whitehead RF, Szmant AM. *Effects of seawater pH on the gastrovascular cavity of the corals Montastraea cavernosa and Duncanopsammia axifuga: Can corals counteract the effects of ocean acidification?* April 2013. University of North Carolina at Wilmington Undergraduate Research Showcase. Wilmington, NC, USA. Poster Presentation.

## TEACHING / MENTORING EXPERIENCE

*\*denotes instructor on record*

2021 – Present	Readings in Biology Instructor/Advisor, Boston University*
2021 – Present	Biology of Global Change Lecturer, Boston University*
2020 – Present	Human and Systems Physiology Teaching Fellow, Boston University
2018 – 2020	UNC Undergraduate Honors Thesis Mentor (Bailey Thomasson, 2018 – 2019; Kyle Oliveira, 2019 – 2020)
2015– 2020	UNC Undergraduate Guest Lecturer (ENEC/MASC 450 - Biogeochemical Processes, MASC 441 - Marine Physiological Ecology, MASC 101 - The Marine Environment, MASC401/BIOL350/ENVR417 – Introduction to Oceanography, ENEC 295 – Coral Reef Ecology and Management)
2015 – 2020	UNC Undergraduate Research Volunteer Mentor (Bailey Thomasson, Brooke Benson, Kathryn Cobleigh, Lauren Winbourne, Brigitte Butler, Joseph Townsend, Cori Lopazanski, Meghan Gore, Brad Kotlarz, Zoe Sparks, Kyle Oliveira, Jess McCoppin, Liz Farquhar)
2016 – 2019	UNC MASC 395 Student Mentor (Bailey Thomasson, Lauren Winbourne, Brigitte Butler, Forrest Buckthal)
2016 – 2019	Teaching Assistant, University of North Carolina at Chapel Hill ( <i>Introduction to Environment and Society, Coral Reef Ecology + Management, Conservation Biology, Conservation Biology, Ecology and Evolution</i> )
2016 – 2018	Lead Teaching Assistant, University of North Carolina at Chapel Hill ( <i>Introduction to Environment and Society</i> )
2015 – 2019	NCSSM High School Mentor

## PROFESSIONAL AFFILIATIONS

2018 – Present	Society for Integrative and Comparative Biology (SICB) Member
2016 – Present	International Coral Reef Society (ICRS) Member

- 2012 – Present American Academy of Underwater Science (AAUS) Scientific Diver (Lead diver, over 100 logged dives)
- 2012 – Present Divers Alert Network (DAN) Member (Diving First Aid for Professional Divers certification)

**OUTREACH**

---

- 2019 Field Notes; climate change photography exhibition; VAE, Raleigh, NC
- 2018 – 2019 UNC Ecology Seminar Series Planning Co-Chair
- 2017 – 2019 UNC Ecology Seminar Series Planning Committee Member
- 2016 – 2017 Blogger, Under the C graduate student Marine Sciences Blog
- 2016 Girls Advancing in STEM (GAINS); Chapel Hill, NC
- 2016, 2017 UNC Science Expo; Chapel Hill, NC
- 2015 – 2020 Undergraduate Student Mentor
- 2015 – 2018 NC School of Science and Math High School Mentor
- 2015 Northeastern Marine Science Center Open House; Nahant, MA
- 2015 SciREN Coast Networking Workshop; Pine Knoll Shores, NC
- 2014 SciREN Triangle Networking Workshop; Raleigh, NC

**PROFESSIONAL WORKSHOPS**

---

- July 2018 Methods in Ecological Genomic Analysis (Functional genomics and gene network analysis with TagSeq workshop led by Misha Matz)
- June 2016 Getting Published Workshop (ICRS workshop led by John Cinner and Terry Hughes)



## REFERENCES

---

**Sarah Davies, Ph.D.**

Biology Department Boston University  
5 Cummington Mall  
Boston, MA 02215  
Email: daviessw@bu.edu  
Phone: (617) 353-8980

**John Bruno, Ph.D.**

Environment, Ecology, and Energy Program and Department of Biology  
University of North Carolina at Chapel Hill  
120 South Rd.  
Chapel Hill, NC 27599- 3280  
Email: jbruno@unc.edu  
Phone: (919) 962-1038

**Karl Castillo, Ph.D.**

Environment, Ecology, and Energy Program and Marine Sciences Department  
University of North Carolina at Chapel Hill  
123 South Rd.  
Chapel Hill, NC 27599-3300  
Email: kdcastil@email.unc.edu  
Phone: (919) 843-8752

**Justin Ries, Ph.D.**

Department of Marine and Environmental Sciences Marine Science Center  
Northeastern University  
430 Nahant Rd.  
Nahant, MA 01908  
Email: j.ries@northeastern.edu  
Phone: (781) 581-7370 ext. 342

**Alina Szmant, Ph.D.**

Center for Marine Science  
University of North Carolina at Wilmington  
5600 Marvin K. Moss Ln.  
Wilmington NC 28409  
Email: szmanta@uncw.edu  
Phone: (910) 962-2362