



Publications by BIOS REU Students Since 2001

REU students in **bold**, *class year* in italics, BIOS and Adjunct Mentors underlined

- 2022** Goodbody-Gringley, G., Chequer, A., **Grincavitch, C.**, Noyes, T., Dowell, R., **Lundberg, A.**, **Corbett, E.**, **Smith, A.** (In Review) Efficacy of continued diver-led culling of invasive lionfish in maintaining biodiversity on mesophotic reefs. *Coral Reefs* (Class of 2018, 2019, 2020)
- 2021** Gould, K., Bruno, J.B., **Ju, R.**, Goodbody-Gringley, G. (2021) Similar thermal performance between shallow and mesophotic corals suggest depth is a refuge from thermal stress. *Coral Reefs*, <https://doi.org/10.1007/s00338-021-02095-w>. (Class of 2018)
- 2020** Karakas, F., **Wingate, J.**, Blanco-Bercial, L., Maas, A.E., Murphy, D.W. (2020) Swimming and sinking behavior of warm water pelagic snails. *Frontiers in Marine Science*, <https://doi.org/10.3389/fmars.2020.556239> (Class of 2018)
- 2019** Goodbody-Gringley, G., **Strand, E.**, Pitt, J.M. (2019) Molecular characterization of nearshore baitfish populations in Bermuda to inform management. *PeerJ*, <https://DOI10.7717/peerj.7244> (Class of 2017)
- 2018** Goodbody-Gringley, G., **Waletich, J.R.** (2018) Morphological plasticity of a depth generalist coral species between shallow and mesophotic reefs in Bermuda. *Ecology* 99(7): 1688-1690. <https://doi.org/10.1002/ecy.2232>. (Class of 2016)
- Goodbody-Gringley, G., Wong, K.H., Becker, D.M., **Glennon K.**, de Putron S.J. (2018) Reproductive ecology and early life history traits of t brooding coral, *Porites astreoides*, from shallow to mesophotic zones. *Coral Reefs*. <https://doi.org/10.1007/s00338-018-1673-2> (Class of 2016)
- 2017** **Emerson, C.E.**, Reinardy, H.C., Bates, N.R. and Bodnar, A.G. (2017). "Ocean acidification impacts spine integrity but not regenerative capacity of spines and tube feet in adult sea urchins." *R. Soc. Open sci.* 4: 170140. doi.org/10.1098/rsos.170140 (Class of 2014)
- James, A., Carlson, C., Passow, U., Brzezinski, M., Parsons, R.J. and **Trapani, J.N.** (2017) "Elevated pCO₂ enhances bacterioplankton removal of organic carbon." *PLoS ONE* 12(3):e0173145. <https://doi:10.1371/journal.pone.0173145> (Class of 2012)
- 2015** Reinardy, H.C., **Emerson, C.E.**, Manley, J.M. and Bodnar, A.G. Tissue regeneration and biomineralization in sea urchins: role of Notch signaling and presence of stem cell markers. *PLoS ONE* 10(8): e0133860. <https://doi:10.1371/journal.pone.0133860> (Class of 2014)

- 2014** Oldham, V. E., **Swenson, M. M.** and Buck, K. N. Spatial variability of total dissolved copper and copper speciation in the inshore waters of Bermuda. *Marine Pollution Bulletin* **79**(1): 314-320. (Class of 2009)
- Parsons, R.J., Nelson, CE, **Denman, CC.**, Andersson, A.J., **Kledzik, AL.**, Vergin, K, McNally, SP, Treusch, AH, Carlson, CA, and Giovannoni, S.J. Marine bacterioplankton community turnover within seasonally hypoxic waters of a sub-tropical sound: Devil's Hole, Bermuda. *Environmental Microbiology* 10.1111/1462-2920.12445 (Class of 2008)
- EI-Bibany, A.H.**, Bodnar, A.G. and Reinardy, H.C. Comparative DNA damage and repair in echinoderm coelomocytes exposed to genotoxicants. *PLoS ONE* (Class of 2013)
- 2013** Du, C., **Anderson, A.**, Lortie, M., Parsons, R. and Bodnar, A. Oxidative Damage and Cellular Defense Mechanisms in Sea Urchin Models of Aging. *Free Radical Biology and Medicine* **63**: 254-263. (Class of 2011)
- 2010** Wood, J.B., Maynard, A.E., Lawlor, A.G., **Sawyer, E.K.**, Simmons, D.M., **Pennoyer, K.E.** and Derby, C.D. Caribbean reef squid, *Sepioteuthis sepioidea*, use ink as a defense against predatory French grunt, *Haemulon flavolineatum*. *J. Experiment. Mar. Biol. and Ecol.*, **388**:20-27 (Class of 2007)
- 2009** **Casey, J.R.**, Lomas, M.W., Michelou, V.K., Dyhrman, S.T., Orchard, E.D., Ammerman, J.W. and Sylvan, J.B. Phytoplankton taxon-specific orthophosphate (Pi) and ATP utilization in the western subtropical North Atlantic. *Aquat. Microb. Ecol.* **58**:31–44 (Class of 2005)
- 2007** **Casey, J.R.**, M.W. Lomas, J. Mandecki and D.E. Walker. *Prochlorococcus* Contributes to New Production in the Sargasso Sea Deep Chlorophyll Maximum. *Geophysical Research Letters* **34**, (10), L10604. (Class of 2005)
- Replinger S.E.** and Wood J.B. A preliminary investigation of the use of subcutaneous tagging in Caribbean reef squid *Sepioteuthis sepioidea* (Cephalopoda: Loliginidae). *Fisheries Research* **84**, 308-313. (Class of 2004)
- 2006** Francis, N., **T. Gregg, R. Owen,** T. Ebert and A. Bodnar. Lack of age-associated telomere shortening in long- and short-lived species of sea urchins. *FEBS letters* **580**: 4713-4717. (Class of 2003)
- 2005** **Meyer, E.** and K. Coates. An exploration of gamete maturity, growth and movement of *Cittarium pica* (West Indian topshell) in Bermuda. *Tentacle* **13**: 20-21. (Class of 2003)
- Trapido-Rosenthal, H. G., Zielke, S., Owen, R.J., Buxton, L., **Boeing, B.**, Bhagooli, R., and **Archer, J.A.** Increased zooxanthellae nitric oxide synthase activity is associated with coral bleaching. *Biol. Bull.* **208**:3-6. (Classes of 2003 and 2001)
- 2004** Carlson, C.A., Giovannoni, S.J., Hansell, D.A., **Goldberg, S.J.**, Parsons, R., Vergin, K. Interactions between DOC, microbial processes, and community structure in the

mesopelagic zone of the northwestern Sargasso Sea. *Limnology and Oceanography*, **49**, 1073-1083. (Class of 1998)

Lomas, M.W., **Swain, A.**, Shelton, R., & Ammerman, J.A. Taxonomic variability of phosphorus stress in Sargasso Sea phytoplankton. *Limnology and Oceanography* **49**:2303-2310. (Class of 2002)

Steinberg, D.K., N.B. Nelson, C.A. Carlson, and **A.C. Prusak**. Production of chromophoric dissolved organic matter (CDOM) in the open ocean by zooplankton and the colonial cyanobacterium *Trichodesmium* spp. *Marine Ecology Progress Series* **267**: 45–56, 2004. (Class of 2000)

2002 Carlson, C.A., Giovannoni, S.J., Hansell, D.A., **Goldberg, S.J.**, Parsons, R., Otero, M.P., Vergin, K., Wheeler, B.R. The effect of nutrient amendments on bacterioplankton growth, DOC utilization, and community structure in the northwestern Sargasso Sea. *Aquatic Microbial Ecology*, **30**, 19-36. (Class of 1998)

2001 Bates, N.R., **Samuels, L.** (maiden name **McCreary, L.**) and Merlivat, L. Biogeochemical and physical factors influencing seawater fCO₂ and air-sea CO₂ exchange on the Bermuda coral reef. *Limnology and Oceanography*, **46**(4), 833-846. (Class of 1998)