



## Presentations by BIOS REU Students Since 2001

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

**2023** **Hall, S** and Hochberg, E.J. Light-Use Efficiency for Coral Reef Benthic Functional Types. Aquatic Sciences Meeting, Palma de Mallorca, Spain, June 2023 (*Class of 2022*)

**Han, M**, de Putron S.J., Sawall S. Comparison of environmental parameters at the Bermuda Marine Mesocosm Facility and a Bermudian coral reef site. Undergraduate Research Opportunities Program Symposium, Bren Events Centre, University of California, Irvine, May 2023 (*Class of 2022*)

**2022** **Goss, J**, Godfrey, J, Gossner, H, Maas, A.E., Blanco-Bercial, L. Zooplankton and Image Classification at an extremely diverse location. Ocean Sciences Meeting, February 2022. Virtual Meeting (*Class of 2021*)

**2021** **Padillo-Anthemides, N.**, **Adamson, N.**, Sawall, Y., Diurnal pattern of respiration and gross photosynthesis in dominating reef photosynthesizers. Florida International University Virtual Undergraduate Research Conference 2021 (*Class 2020*)

Sawall, Y. **Adamson, N.**, **Padillo-Anthemides.**, **Schneider C.** Diurnal variation of coral and algal respiration. 14<sup>th</sup> International Coral Reef Symposium, Bremen, Germany. July 2021 (*Class 2019, 2020*)

**Schneider C.**, Sawall, Y. Diurnal pattern of coral metabolic rates. Aquatic Sciences Meeting, June 2021. Virtual meeting (*Class 2019*)

**Benavides, T.**, Parsons, R., Liu, S. and Carlson C.A. Impact of Methylphosphonate and Sargassum DOM on the Sargasso Sea Microbiome. Aquatic Sciences Meeting, June 2021. Virtual Meeting (*Class of 2019*)

**2020** **Ju, R**, Wong, KH, Putnam, HM, Goodbody-Gringley, G. Effects of parental heat stress on the larval thermal performance of *Porites astreoides*, a brooding coral. Ocean Sciences Meeting Feb 2020. San Diego, CA (*Class of 2018*)

**Wingate, J.**, Karakas, F., Murphy, D.W., Maas, A.E. Swimming kinematics in “sea butterflies” - Using image tracking software to characterize the 3D swimming of pteropods. Association for the Sciences of Limnology and Oceanography Multicultural Program (ASLOMP), Ocean Sciences Meeting Feb 2020. San Diego, CA. (*Class of 2018*)

**2019** **Flesher, D.,** Sawall, Y., Hochberg, E. Assessing light use efficiencies (LUEs) of benthic reef communities for spectral modeling applications. Gordon Research Conference July 2019 (*Class of 2018*) – Award for best student poster

**Weaver, A.** and Parsons, R. Identifying Sulfate-Reducing Bacteria and Methanotroph Ecology in a Suboxic Environment. OSU 2019 Microbiology Student Association Research Symposium, Apr 13, Corvallis, OR. (*Class of 2018*)

**Strand E.** and Goodbody-Gringley, G. Characterizing Bermuda's baitfish populations using population genetics to improve management and fishery sustainability. Association for the Sciences of Limnology and Oceanography Multicultural Program (ASLOMP), ASLO Aquatic Sciences Meeting. Oral Presentation. San Juan, Puerto Rico. (*Class of 2017*)

**2018** **Montgomery, Q.W.,** Matheson, J., Parsons, R.J., Johnson, R.J., Bates, N.R. Exploring Seasonal Shifts in Planktonic Community Composition in the Sargasso Sea. Association for the Sciences of Limnology and Oceanography Multicultural Program (ASLOMP), Ocean Sciences Meeting, Portland, OR, February 12-16. (*Class of 2016*)

**Byl, P.,** Bates, N., Jameson, B., Garley, R., Parsons, R. Marine Bacterioplankton Succession and Subsequent Overturn within Seasonally Hypoxic Waters of a Subtropical Sound; Devil's Hole, Bermuda. Association for the Sciences of Limnology and Oceanography Multicultural Program (ASLOMP), Ocean Sciences Meeting, Portland, OR, February 12-16. (*Class of 2016*)

**2017** Goodbody-Gringley, G., Wong, K., Becker, D., **Glennon, K.,** de Putron, S. Reproductive ecology and early life history traits of the brooding coral, *Porites astreoides*, from shallow to mesophotic zones. The European Coral Reef Symposium. Oxford, UK. December 14, 2017. (*Class of 2016*)

**Hudson, K.** and Noyes, T.J., Examining the drivers of long-term change in benthic biodiversity cross the Bermuda reef platform. Ecological Society of America. Portland Oregon, August 6-11, 2017 (*Class of 2016*)

**Hudson, K.** and Noyes, T.J., Determining Drivers of Biodiversity Change: An REU Co-Op Experience in Bermuda. Northeastern College of Science Co-op Expo. March 24<sup>th</sup>, 2017 (*Class of 2016*)

**Saracenco, H.M.** and Hochberg E. The Effect of Temperature Changes on the Light Use Efficiency of Two Coral Communities. Association for the Sciences of Limnology and Oceanography Multicultural Program (ASLOMP). Honolulu, Hawai'i. February 26<sup>th</sup>, 2017 (*Class of 2016*)

Matheson, J., Johnson, R.J., Bates, N.R., Lomas, M.W., **Montgomery, Q.,** Van Meerssche, E. An Evaluation of Chemtax at The Bermuda Atlantic Time Series Study Site In The Sargasso Sea. The Association for the Sciences of Liminology and Oceanography Conference. February 28<sup>th</sup>, 2017 (*Class of 2016*)

**2016** Lima, L., **Huntley, N.**, de Putron, S.J. Ecophysiology of a Coral Species in the Northernmost Atlantic Reef System: Effects of Low Temperature on *Siderastrea radians* in Bermuda. 13th International Coral reef Symposium. June 19-24, Honolulu, Hawaii (*Class of 2015*)

de Putron, S.J., **Thomas, M.S.**, Wong, K. Differential Effects of Light and Feeding on New Recruits of *Porites astreoides* from Two Reef Sites within Bermuda. 13th International Coral reef Symposium. June 19<sup>th</sup> to 24<sup>th</sup>, 2016, Honolulu, Hawaii (*Class of 2014*)

**Wooster, M.K.**, and Hochberg, E.J. Preliminary Measurements of Coral Community Light-use Efficiency in Response to Variable Environmental Conditions. 13th International Coral reef Symposium. June 19<sup>th</sup> to 24<sup>th</sup>, 2016, Honolulu, Hawaii (*Class of 2014*)

**Rideout, K.** and Noyes T. Characterizing the Mesophotic Zone of Bermuda. 45th annual Benthic Ecology Meeting. March 16<sup>th</sup> to 19<sup>th</sup>, 2016, Portland, Maine (*Class of 2014*)

**You Mak, K.** and Goodbody-Gringley, G. Differential Growth and Survival of Juvenile *Porites astreoides* based on Parental Depth. Benthic Ecology Meeting. March 16<sup>th</sup> to 19<sup>th</sup>, 2016, Portland, Maine. (*Class of 2015*)

James, A., Carlson, C., Passow, U., Brzezinski, M., Parsons, R., **Trapani, J.** Elevated pCO<sub>2</sub> Decreases the Role of DOC in Vertical Export. 22<sup>nd</sup> American Society of Limnology and Oceanography Ocean Sciences Meeting. February 21-26, 2016, New Orleans, Louisiana. (*Class of 2012*)

**Schuler, G.**, Parsons, R., Johnson, R.. Bacterioplankton Populations within the Oxygen Minimum Zone of the Sargasso Sea. 22<sup>nd</sup> American Society of Limnology and Oceanography Ocean Sciences Meeting. February 21-26, 2016, New Orleans, Louisiana. (*Class of 2014*)

**Emerson, C.E.**, Reinardy, H.C., Manley, J.M., Bodnar, A.G. Sea Urchins as a Model for Tissue Regeneration: Role of Notch Signaling and Presence of Stem Cell Markers. Molecular and Cellular Basis of Growth and Regeneration Keystone Symposium. January 2016; Breckenridge, Colorado. (*Class of 2014*)

**Emerson, C.E.**, Reinardy, H.C., Manley, J.M., Bodnar, A.G. Sea Urchins as a Model for Tissue Regeneration: Role of Notch Signaling and Presence of Stem Cell Markers. Molecular and Cellular Basis of Growth and Regeneration Keystone Symposium. January 2016; Breckenridge, Colorado. (*Class of 2014*)

**2015** **Schuler, G.**, and Parsons, R. Bacterioplankton Populations within the Oxygen Minimum Zone of the Sargasso Sea. Alleghany Branch of the American Society for Microbiologists; 2015 November 6-7; Greensburg, PA. (*Class of 2014*)

**Alker, A.**, De Leon, S., Parsons, R., Rouja, P., Voss, J.D. Antibiotic Resistance among Bacteria near Sewage Outfalls of Bermuda. 44th annual Benthic Ecology Meeting in Quebec, Canada. (*Class of 2013*)

- Reinardy, H.C., Emerson, C.E., Manley, J.M., Bodnar, A.G. Tissue regeneration and biomineralization in sea urchins: role of Notch signaling and presence of stem cell markers. Comparative Biology of Tissue Repair, Regeneration, and Aging Meeting, Mount Desert Island Biological Laboratory, Salisbury Cove, Maine, June 26 - 28, 2015. (*Class of 2014*)
- McDonald, N., Oliver, A., Peters, A.J. Quantification and characterization of water-soluble organic compounds in the marine boundary layer. Poster presented at the 21st American Society of Limnology and Oceanography Aquatic Sciences Meeting. February 22-27, 2015 Granada, Spain (*Class of 2014*)
- Mescioglu, E., McDonald, N., Parsons, R. The microbial degradation of lignin and the subsequent production of marine dissolved organic matter in the Sargasso Sea. 21st American Society of Limnology and Oceanography Aquatic Sciences Meeting. February 22-27, 2015 Granada, Spain. (*Class of 2013*)
- 2014** Alker, A., DeLeon S., Parsons R. ENV-03 Antibiotic resistance in bacteria following the sewage outfalls of Bermuda. 78th Annual Meeting of the Florida Academy of Sciences Indian River State College-Fort Pierce, Florida 7-8 March 2014. (*Class of 2013*)
- Speare, K.E., Bruno, J.F., Darling, E.S., Goodbody-Gringley, G. Synergistic effects of increased sedimentation and temperature on the survival of juvenile coral spat. 20th American Society of Limnology and Oceanography Ocean Sciences Meeting. February 23-28, 2014, Honolulu, HI. (*Class of 2012*)
- 2013** Kinsey, T., McDonald, N., Parsons, R. Fluorescence characterization of chromophoric dissolved organic matter produced by bacteria in the North Atlantic Subtropical Gyre. Abstracts of Papers of the American Chemical Society. Vol. 245. 2013 Washington, DC. (*Class of 2012*)
- Bump, P., Du, C., Bodnar, A.G. Aging, stem cells, and sea urchins: using the sea urchin *Lytechinus variegatus* to investigate the phenomenon of aging. 38th Tester Symposium 2013, University of Hawaii at Manoa. (*Class of 2012*)
- Speare, K.E., Bruno, J.F., Goodbody-Gringley, G. Combined effects of sedimentation and seawater temperature on the growth and development of juvenile coral spat. Benthic Ecology Meeting 2013, Savannah, GA. (*Class of 2012*)
- Warren, J. K. and McDonald, N. Quantifying chromophoric dissolved organic matter and lignin phenols in the open ocean. Abstract ID 10461. 19th American Society of Limnology and Oceanography Aquatic Sciences Meeting. February 17-22, 2013, New Orleans, LA. (*Class of 2011*)
- 2012** Anderson, A. and Bodnar, A. Oxidative damage in sea urchin models of aging. 16th biennial meeting for the Society for Free Radical Research International (SFRR), Imperial College, London, September 6-9, 2012. (*Class of 2011*)
- Dexter, E. D., Martin, B., Collins, A., de Putron, S., Andersson, A. Calcification rates

under different CO<sub>2</sub> levels for three Bermudian corals measured *in situ* and in aquaria.  
18th American Society of Limnology and Oceanography Ocean Sciences Meeting.  
February 19-24, 2012, Salt Lake City, Utah. (Class of 2010)

**2011** Andersson, A.J., de Putron, S., Bates, N.R., Collins, A., Garley, R., Noyes, T., **Dexter, E.**  
Bermuda ocean acidification and coral reef investigation: temporal and spatial variations in  
seawater carbonate chemistry and calcification. 17th American Society of Limnology and  
Oceanography Aquatic Sciences Meeting, February 13-28, 2011 San Juan, Puerto Rico.  
(Class of 2010)

**2010** **Denman, C.**, Parsons, R.J., Andersson, A.J., Nelson, C.E. Alexander, H. Microbial  
Community Abundance and Structure in Seasonally Stratified Waters; Observations from  
Devil's Hole, Harrington Sound, Bermuda. 16th American Society of Limnology and  
Oceanography Ocean Sciences Meeting, February 22-16, 2010  
Portland. OR. (Class of 2008)

McDonald, N., **Logendran, V.**, Evans, D.G., Peters, A., Nelson, N.B. Mapping the origins  
of chromophoric dissolved organic matter in the North Atlantic Subtropical Gyre. Abstract  
OS32A-04, AGU, San Francisco, Calif., 13-17 December. (Class of 2010)

**2009** **Meléndez, M.**, Andersson, A., Peters, A. Estimates of calcium carbonate dissolution rates  
under elevated CO<sub>2</sub> conditions in Devil's Hole, Bermuda. Abstract Book, 38th Annual  
Benthic Ecology Meeting, Corpus Christi, Texas, March 4-7, 2009. (Class of 2008)

**2008** **Gates, L.W.** and de Putron, S.J. The effect of increased seawater temperature on the  
skeletal development of *Favia fragum* and *Portites astreoides* new recruits. 11th  
International Coral Reef Symposium, Florida, July. (Class of 2007)

Nelson, N.B., McDonald, N., **Korol, O.**, Siegel, D.A., Carlson, C.A. Chromophoric DOM as  
a tracer of north Atlantic subtropical mode water formation, Eos Trans. AGU, 89(53), Fall  
Meet. Suppl., Abstract OS13B-1193. (Class of 2007)

**Shepard, A.K.**, Jones, R.J., Parsons, R.J., Carlson C.A. Microbial abundance of the  
inshore waters of Bermuda and coral reef ecosystems: monitoring for sewage outfall  
impacts. 14th American Society of Limnology and Oceanography Ocean Sciences  
Meeting, March 2-7, 2008 Orlando, FL. (Class of 2007)

**Zablocki, J.**, Anderson, A., Bates, N. Experimental and model studies of CO<sub>2</sub> dynamics of  
a mangrove dominated coastal environment. 14th American Society of Limnology and  
Oceanography Ocean Sciences Meeting, March 2-7, 2008 Orlando, FL. (Class of 2007)

**2007** Lomas, M.W., Sedwick, P.N., **Casey, J.R.** Does iron availability control new production by  
*Prochlorococcus* in subsurface waters of the Sargasso Sea? 13th American Society of  
Limnology and Oceanography Aquatic Sciences Meeting, February 4-9, 2007 Santa Fe  
New Mexico. (Class of 2005)

Loram, J.E., Moustafa, A., Bhattacharya, D., Hackett, J.D., **Brandsrud, M.**, **Bassi, P.**,  
Erdner, D.L., Anderson, D.M., Plumley, F.G. A genomic approach for identifying the

- saxitoxin (STX) synthesis genes. The Fourth Symposium on Harmful Algae in the US. Woods Hole Oceanographic Institution, 29 October – 1 November. (*Brandsrud class of 2006 and Bassi class of 2007*)
- 2006** **Casey, J.R.** and Lomas, M.W. Taxon-specific nitrogen and carbon uptake of marine phytoplankton in the Sargasso Sea. 12th American Society of Limnology and Oceanography Ocean Sciences Meeting, February 20-24, 2006 Honolulu Hawaii. (*Class of 2005*)
- 2005** Coates, K.A., **Myer, E.**, Hickman, C.S. Aspects of the biology of the West Indian topsnail, *Cittarium pica* (Vetigastropoda, Trochidae), in Bermuda. Association of Marine Laboratories of the Caribbean Science meeting, June 2005. (*Class of 2003*)
- 2004** **Boeing, B.** Inducible nitric oxide synthase activity in symbiotic algae is associated with coral bleaching. 10th American Society of Limnology and Oceanography Ocean Sciences Meeting, February 15-20, 2004, Honolulu Hawaii. (*Class of 2003*)
- Carlson, W.** Critical Elemental Ratios in Marine Phytoplankton. 10th American Society of Limnology and Oceanography Ocean Sciences Meeting, February 15-20, 2004, Honolulu, Hawaii. (*Class of 2004*)
- Coates, K.A., Jantzen-Marson, C., Madeiros, J.L., **Meyer, E.** West Indian top snail, *Cittarium pica*, reintroduction project in Bermuda: Current status. Society of Integrative and Comparative Biology (SICB), New Orleans. (*Class of 2003*)
- Holland, L.P., **Verlinde, J.**, Trapido-Rosenthal, H., Coates, K.A. Molecular diversity of symbiotic dinoflagellates (*Symbiodinium* spp) within Alcyonacea of Bermuda. 10th American Society of Limnology and Oceanography Ocean Sciences Meeting, February 15-20, 2004 (*Class of 2003*)
- Meyer, E.** West Indian *Topsnail Cittarium pica*: Reintroduction project in Bermuda - current status. Society of Integrative and Comparative Biology (SICB). (*Class of 2003*)
- Verlinde, J.** Molecular diversity of symbiotic dinoflagellates within Alcyonacea of Bermuda. 10th American Society of Limnology and Oceanography Ocean Sciences Meeting, February 15-20, 2004, Honolulu Hawaii. (*Class of 2003*)
- 2003** **Woods, G.** Telomerase activity in marine phytoplankton. 9th American Society of Limnology and Oceanography Aquatic Sciences Meeting, February 9-14, 2003. Salt Lake City, Utah. (*Class of 2003*)
- 2002** **Garrett, G.** Urea cycling in the Sargasso Sea at BATS. 8th American Society of Limnology and Oceanography Ocean Sciences Meeting, February 11-15, 2002, Honolulu, Hawaii (*Class of 2002*)
- 2001** **Jaeger, S.** DOM production in oligotrophic ocean communities. Aquatic Sciences Meeting, February 11-15, 2001, Santa Fe, New Mexico. (*Class of 2001*)