

# JAMES T. PRICE

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## EDUCATION

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- 2016– PhD candidate, Earth Sciences, The Ohio State University, Columbus, Ohio, USA  
Advisors: Dr. Andréa G. Grottoli and Dr. Michael J. Wilkins
- 2016 MS in Biology, Purdue University Fort Wayne (Formerly Indiana University-Purdue University), Indiana, USA  
Advisors: Dr. Frank V. Paladino and Dr. Tanya Soule
- 2014 BS in Biology, Georgia Southern University, Statesboro, Georgia, USA  
*Cum Laude*, minor in chemistry

## POSITIONS HELD AND RESEARCH EXPERIENCE

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- 2016– *Graduate Research/Teaching Assistant*, Stable Isotope Biogeochemistry Lab, The Ohio State University, Columbus, OH  
Characterized microbial communities and stable isotopes ( $\delta^{13}\text{C}$  and  $\delta^{15}\text{N}$ ) of Hawaiian corals spanning a range environmental conditions.
- 2014–2016 *Graduate Research/Teaching Assistant*, Indiana University-Purdue University Fort Wayne, IN  
Characterized the bacterial communities of juvenile green turtles in the northern Gulf of Mexico.
- 2012–2016 *Loggerhead Sea Turtle Nesting Conservation Intern*, Caretta Research Project, Wassaw Island, GA  
Led volunteers on nightly sea turtle nest monitoring surveys and collected various data for collaborating institutions.
- 2011–2014 *Undergraduate Research Assistant/Volunteer* to Dr. Daniel F. Gleason, Georgia Southern University, Statesboro, GA  
Characterized long-term recruitment patterns of benthic invertebrates at Gray's Reef National Marine Sanctuary.

## GRANTS AND FELLOWSHIPS

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- 2019-2020 **Presidential Fellowship**, OSU Dissertation-year Fellowship (\$31,976)
- 2019 **Early Career Training Program**, Coral Bleaching RCN award for training in microbial metagenomics with Dr. Kelly Wrighton at Colorado State University (\$2,000)
- 2018 **Geological Society of America**, Graduate Student Research Grant, Proportionate incorporation of carbon in coral tissues (\$2,280)
- 2017 **Friends of Orton Hall**, OSU School of Earth Sciences (\$1,200)

- 2017            **International Society for Reef Studies**, Graduate Fellowship, Roles of the microbiome in coral resilience (\$2,500)
- 2016–2017    **University Fellowship**, OSU Graduate School First-year Fellowship (\$21,852)
- 2015           **PADI Foundation**, Characterization of the green turtle microbiome (\$4,000)
- 2013           **Chandler Undergraduate Research Scholar**, Dye retention in benthic invertebrates, GSU Department of Biology (\$4,065)

## PEER-REVIEWED PUBLICATIONS

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4. McLachlan RH, **Price JT**, Solomon SS, Grottoli AG (2020) 30 years of coral heat-stress experiments: a review of methods. *Coral Reefs*. doi:10.1007/s00338-020-01931-9
3. **Price JT**, Drye B, Bernard RJ, Paladino FV (2018) Exploring the role of artificial lighting in loggerhead turtle (*Caretta caretta*) nest-site selection and hatchling disorientation. *Herpetological Conservation and Biology*. 13(2): 415-422.
2. **Price JT**, Paladino FV, Lamont MM, Witherington BE, Bates ST, Soule T (2017) Characterization of the juvenile green turtle (*Chelonia mydas*) microbiome throughout an ontogenetic shift from pelagic to neritic habitats. *PLOS ONE*. 12(5): e0177642.
1. **Price JT**, Pfaller JB, Vander Zanden HB, Williams KL, Bolten AB, Bjorndal KA (2017) Foraging area, not trophic position, linked to head size variation in adult female loggerhead turtles. *Journal of Zoology*. 302: 279-287. doi:10.1111/jzo.12456

## NON-PEER REVIEWED PUBLICATIONS

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1. McLachlan RM, **Price JT**, Dobson KL, Weisleder N, Grottoli AG (2020) Microplate Assay for Quantification of Soluble Protein in Ground Coral Samples. *protocols.io*  
doi:10.17504/protocols.io.bdc8i2zw

## HONORS AND AWARDS

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- 2016            Best M.S. Student Poster, Meeting of the Indiana Branch of the American Society for Microbiology
- 2013            McKeever Scholarship, GSU Department of Biology

## TEACHING EXPERIENCE

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### The Ohio State University

- 2018 Fall       Graduate Instructor, Planet Earth: How it Works Laboratory
- 2018 Spring    Graduate Instructor, Planet Earth: How it Works Laboratory
- 2017 Fall       Graduate Instructor, Planet Earth: How it Works Laboratory

### Indiana University-Purdue University Fort Wayne

- 2016 Spring    Graduate Instructor, Microbiology for Health Professionals Laboratory
- 2016 Spring    Graduate Instructor, Mammalian Physiology Laboratory

2015 Spring Graduate Instructor, Mammalian Physiology Laboratory  
 2014 Fall Graduate Instructor, Basic Human Anatomy Laboratory

## INVITED SPEAKER

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2020 The coral microbiome and the potential roles in resilience to global climate change.  
 Purdue University Fort Wayne, IN, USA  
 2016 Loggerhead Sea Turtles and Artificial Lighting on St. George Island, Florida.  
 Apalachicola National Estuarine Research Reserve, FL, USA

## CONFERENCE PRESENTATIONS

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### Oral Presentations:

3. **Price JT**, McLachlan R, Jury CP, Toonen RJ, Wilkins MJ, Grottoli AG (2018) Assessment of the coral microbiome across a range of natural temperature and  $p\text{CO}_2$  environments in Hawaii. *Reef Futures 2018*, Key Largo, FL, USA; *Symbiofest 2019*, Athens, GA, USA
2. McLachlan R, **Price JT**, Jury CP, Dobson KL, Toonen RJ, Grottoli AG (2018) Phenotypic variation in Hawaiian corals provides insight into coral selection for restoration. *Reef Futures 2018*, Key Largo, FL, USA
1. **Price JT**, Soule T, Lamont MM, Witherington BE, Paladino FV (2016) Is there an ontogenetic change in juvenile green turtle (*Chelonia mydas*) microbial community structure as they move from pelagic habitats to inshore resident areas? *36<sup>th</sup> International Sea Turtle Symposium*, Lima, Peru

### Poster Presentations (\* Undergraduate Authors):

9. **Price JT**, McLachlan R, Jury CP, Toonen RJ, Wilkins MJ, Grottoli AG (2019) Assessment of the coral microbiome across a range of natural temperature and  $p\text{CO}_2$  environments in Hawaii. *Byrd Polar Climate Change Symposium*, Columbus, OH, USA
8. \*Smith, AZ, **Price JT**, McLachlan R, Jury CP, Toonen RJ, Grottoli AG (2018) Natural variability in the contribution of heterotrophic carbon to tissues of Hawaiian corals. *Reef Futures 2018*, Key Largo, FL, USA
7. \*Smith, AZ, **Price JT**, McLachlan R, Jury CP, Toonen RJ, Grottoli AG (2018) Natural variability in the contribution of heterotrophic carbon to tissues of *Montipora capitata*. *Richard J. and Martha D. Denman Undergraduate Research Forum*, Columbus, OH, USA
6. \*Gerber M, **Price JT**, Paladino FV, Lamont MM, Witherington BE, Soule T (2017) Diversity of the cloacal mycobion of the juvenile green sea turtle (*Chelonia mydas*). *20<sup>th</sup> Student Research and Creative Endeavor Symposium*, Fort Wayne, IN, USA
5. **Price JT**, Paladino FV, Lamont MM, Witherington BE, Soule T (2016) Characterization of the juvenile green turtle (*Chelonia mydas*) microbiome associated with the ontogenetic shift from

pelagic to inshore resident areas. *2016 Spring Meeting of the Indiana Branch of the American Society for Microbiology*, Fort Wayne, IN, USA

4. **Price JT**, Drye B, Bernard RJ, Paladino FV (2016) Effects of artificial lighting on nesting and hatchling loggerhead sea turtles (*Caretta caretta*) on St. George Island, FL, USA. *36<sup>th</sup> International Sea Turtle Symposium*, Lima, Peru
3. **Price JT**, Santidrian Tomillo P, Paladino FV (2015) Assessment of nesting green turtle (*Chelonia mydas*) remigration intervals in Playa Cabuyal, Costa Rica. *18<sup>th</sup> Student Research and Creative Endeavor Symposium*, Fort Wayne, IN, USA
2. **Price JT**, Pfaller JB, Vander Zanden HB, Williams KL, Bolten AB, Bjorndal KA (2014) Head size variation in adult female loggerhead sea turtles (*Caretta caretta*). *34<sup>th</sup> International Sea Turtle Symposium*, New Orleans, LA, USA
1. **Price JT**, Gleason DF (2013) Rhodamine dye retention in filter-feeding benthic invertebrates as a mechanism for mapping river outflows. *42<sup>nd</sup> Benthic Ecology Meeting*, Savannah, GA, USA

## TRAVEL GRANTS

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2018, 2020	Travel Grant, OSU Friends of Orton Hall
2016	Travel Grant, IPFW Office of Student Affairs
2016	Travel Grant, IPFW Department of Biology
2016	Travel Grant, International Sea Turtle Society

## RELEVANT EXPERIENCE

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### Other Relevant Experience and Fieldwork

2019	Well water sampling for water quality and geochemical parameters in WV, USA
2016–2017	Two one-month fieldwork trips (July 2016 and December 2017) to assess coral physiological traits under experimental conditions at the Hawaii Institute of Marine Biology, HI, USA
2015	One month assisting on a sea turtle nesting beach in Playa Cabuyal, Costa Rica
2013	13-day research cruise on NOAA Ship Nancy Foster with the goal to assess <i>in situ</i> benthic invertebrate diversity at Gray's Reef National Marine Sanctuary, GA, USA
2012–2014	Benthic invertebrate surveys at Gray's Reef National Marine Sanctuary as an AAUS certified scientific diver (56 dives)

## MENTORSHIP

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### Undergraduate Students

Hailey Hayes (2018–), STEP project advisor  
 Alexandra Smith (2017–2019)  
 Emma Kline (2018)  
 Jackie Altschuler (2017–2018)  
 Lydia Mullins (2017)

## **SYNERGISTIC ACTIVITIES**

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### Workshops

2019 Coral Bleaching RCN Workshop, Columbus, OH (21–24 May)

### Manuscript Reviews

2020 *Science of the Total Environment*

2019 *PeerJ, Microbiome*

### Outreach

2019–2020 Letters to a Pre-Scientist (pen pal program with 7<sup>th</sup> grade student)

2020 Marine Biology After-School Extension (Sunbury, OH Elementary Schools)

2019 MetroRocks Afterschool Program (Taught lessons in Spring & Autumn 2019)

2018 Sigma Xi “Meet a Scientist” Elementary School Program

### Departmental Service

2018–2020 Chair of Social Committee, Earth Sciences Graduate Student Club

2016–2018 Chair of Fundraising Committee, Earth Sciences Graduate Student Club

2017 Co-organized OSU Earth Sciences Spring Mini-symposium

## **PROFESSIONAL MEMBERSHIPS**

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International Coral Reef Society

Last updated: April 2020