

Heather L. Judkins
 Integrative Biology Department
 College of Arts and Sciences
 University of South Florida St. Petersburg
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Professional Preparation

University of South Florida	Biological Oceanography	Ph.D., 2009
Nova Southeastern University	Secondary Science Education	M.S., 1997
University of Rhode Island	Marine Affairs	B.S., 1993

Appointments

2019- Associate Professor, Integrative Biology, University of South Florida St. Petersburg, FL.
 2009- Teacher Programs Coordinator, The Florida Aquarium, Tampa, FL
 2013- 2019 Assistant Professor, Biological Sciences, University of South Florida St. Petersburg, FL.
 2011-2013 Visiting Assistant Professor, Biological Sciences, University of South Florida St. Petersburg
 1997-2010 Adjunct Instructor, Biological Sciences, St. Petersburg College, Clearwater, FL
 1994-2011 Marine Science Instructor, Biology Department, Seminole High School, Pinellas County, FL

Grant Awards

USFSP Internal Partnership Grant, 2021-2022 PI- Collaborating with B. Gemmell (USFT) in a fluid dynamics of cephalopod swimming project; includes support for undergraduate research assistant.	\$9900.00
Florida Fish and Wildlife Research SEAMAP contract, 2021-2026 PI for contract that supports two SEAMAP employees through FWRI through 2026. Oversee payroll and collaborate when research aligns with their research cruises.	\$747,800
NOAA RESTORE Grant, 2019-2024 Co-PI on “Trends and drivers of faunal abundance of the offshore Gulf of Mexico: Narrowing the data gap in the Gulf’s largest ecosystem component”. Responsible for all cephalopod-related projects. ~150K to USFSP.	\$2.7M
USFSP Internal Grant, 2018-2019 Awarded to explore the cryptic cephalopod species of the Gulf of Mexico through molecular Genetic markers.	\$9900.00
Gulf of Mexico Research Initiative Award- DEEPEND Consortium; 2018-2019 Co-PI on DEEPEND consortium which received a 1-year extension for additional cruise and analysis. Responsible for all mollusk related projects (n=7). ~30K to USFSP.	\$1M
NOAA Ocean Exploration Grant Award; 2018-2019 Co-PI on deep-sea exploration project in the Gulf of Mexico. Examining cephalopod biology, diversity, and bioluminescence properties at 2000m deep in the Sigsbee escarpment. Majority of funding is for shiptime. Responsible for 17K at USFSP for invertebrate and cephalopod related projects.	\$565,000
USFSP Internal Grant, 2016-2017 Awarded to explore the genetic variation among 3 different cephalopod species in the Gulf of Mexico and over Bear Seamount in the northern Atlantic Ocean.	\$9900.00
Gulf of Mexico Research Initiative Award- DEEPEND Consortium (GoMRI); 2015-2018 Co-PI of a 3-year study through the Deep-Pelagic Nekton Dynamics of the Gulf of Mexico (DEEPEND) consortium. The goal is to evaluate the extant recovery and potential future recovery of deep-pelagic communities after the DWHOS both short and long	\$8.53 M

term scales through sampling and analysis. Responsible for \$430K at USFSP for cephalopod related projects.

USFSP Internal Grant; 2013-2014

\$7950.00

Awarded to purchase materials, equipment, and resources for undergraduate biology research projects.

Research Experience

DEEPEND Consortium- Deep Pelagic Nekton Dynamics of the Gulf of Mexico Program; 2015-present

Co-Principal investigator responsible for: cephalopod abundance, distribution, and biodiversity; genetic, species, and population genetics for the group; examining samples for trophic level dynamics as well as potential contaminants to the deep sea cephalopods. Also responsible for pelagic mollusk projects.

National Resource Damage Assessment (NOAA/NRDA) Offshore Sampling and Analysis Program; 2011-2016

ONSAP program team member examining cephalopods from 7 cruises that were conducted in 2011.

Identification and verification of cephalopods in the northern Gulf of Mexico.

Documenting and analyzing all aspects of cephalopod ecology, vertical migration, new species records.

Chief Scientist; 2012- present

Plan and coordinate 1-day research cruises aboard the R/V Weatherbird for various marine-related courses.

Planned and coordinated a 3-day, scientific research cruise for 8 marine biology students in the eastern Gulf of Mexico. Conducted a baseline biodiversity survey of the region and collected samples for current and future research projects (2013).

Research Cruise Scientist

Total of 194 days at sea; All cruises involved 14-26 days at sea, conducted offshore scientific projects including oceanographic monitoring, multiple net deployments/retrievals, Humboldt squid capture and analyses, cephalopod identification and documentation, invertebrate collection, plankton trawls, mid-water and benthic trawling, tissue sampling, and marine mammal biopsy tissue collection. Pacific and Atlantic Oceans, Gulf of Mexico.

Publications

Judkins, H., LR. Mann, A. Lindgren, M. Taite, M. Vecchione. In review. The discovery of a new *Helicocranchia* species (Cephalopoda: Cranchiidae: Taoniinae) in the northern Gulf of Mexico. *Bulletin Marine Science*.

Shedler, S., B. Seibel, M. Vecchione, D. Griffin, **H. Judkins**. In review. Abundance and distribution of large thecosome pteropods in the northern Gulf of Mexico. *American Malacological Bulletin*.

Sutton T, Milligan RJ, Cook KM, Cook AB, Cornic M, Daly K, Frank T, Frasier K, Hahn D, Hernandez F, Hildebrand JA, Hu C, Johnston MW, Joye S, **Judkins H**, Moore JA, Murawski SA, Pruzinsky NM, Quinlan J, Remsen A, Robinson KL, Romero IC, Rooker J, Vecchione M, Wells. 2022. The Open-Ocean Gulf of Mexico after Deepwater Horizon: Synthesis of a Decade of Research"; *Frontiers in Marine Science*, section Marine Pollution.

doi.org/10.3389/fmars.2022.753391

Zapp Sluis, M., **H. Judkins**, M.A. Dance, M. Vecchione, M. Cornic, T. Sutton, J. Rooker. 2021. Family composition, abundance, and habitat associations of squid paralarvae in the northern Gulf of Mexico. *Deep Sea Research I*; 174:103572; doi: <https://doi.org/10.1016/j.dsr.2021.103572>

Robinson, N., S. Johnsen, E.J. Brooks, **H. Judkins**, M. Vecchione, E. Widder. 2021. Studying the swift, smart, and shy: unobtrusive camera platforms for filming large deep-sea squid. *Deep Sea Research I*. 172: <https://doi.org/10.1016/j.dsr.2021.103538>

Clark, K., B. Seibel, M. Vecchione, **H. Judkins**. 2021. Species abundance, spatial and vertical distributions of large heteropods (Pterotracheidae and Carinariidae) in the northern Gulf of Mexico. *American Malacological Bulletin*; 38(2)1-10.

Cook A., A. M. Bernard, K.M. Boswell, H. Bracken-Grissom, M. D'Elia, S. deRada, D. English, R.I. Eytan, T. Frank, C. Hu, M.W. Johnston, **H. Judkins**, C. Lembke, R.J. Milligan, J. Moore, B. Penta, N.M. Pruzinsky J.A. Quinlan, T.

Richards, I.C. Romero, M.S. Shivji, M. Vecchione, M.D. Weber, R. J. D. Wells, T.T. Sutton. 2020. A Multidisciplinary Approach to Investigate Deep-Pelagic Ecosystem Dynamics in the Gulf of Mexico following *Deepwater Horizon*; *Frontiers in Marine Science*.

Judkins, H., A. Lindgren, R. Villeneuve, K. Clark, M. Vecchione. 2020. New Bathyteuthid species in the northern Gulf of Mexico; *Bulletin of Marine Science*. 96(2):281–295; <https://doi.org/10.5343/bms.2019.0051>

Timm, L, H. Bracken-Grissom, A. Sosnowski, M. Breitbart, M. Vecchione, **H. Judkins**. 2020. Population genomics of three deep-sea cephalopod species reveals connectivity between the Gulf of Mexico and northwestern Atlantic Ocean; *Deep Sea Research I*. <https://doi.org/10.1016/j.dsr.2020.103222>

Judkins, H., M. Vecchione. 2020. Vertical distribution patterns of cephalopods in the northern Gulf of Mexico; *Frontiers in Marine Science*. <https://doi.org/10.3389/fmars.2020.00047>

Romero, I., **H. Judkins**, M. Vecchione. 2020. Temporal variability of polycyclic aromatic hydrocarbons in deep-sea cephalopods of the northern Gulf of Mexico; *Frontiers in Marine Science*. <https://doi.org/10.3389/fmars.2020.00054>

Staudinger, M., V. Dimkovikj, C.A.M. France, E. Jorgensen, **H. Judkins**, A. Lindgren, E.K. Shea, M. Vecchione. 2019. Trophic ecology of the deep-sea cephalopod assemblage near Bear Seamount in the Northwest Atlantic Ocean. *Marine Ecology Progress Series*. 629: 67–86, <https://doi.org/10.3354/meps13121>

R. Rosa, V. Pissarra, F. Borges, J. Xavier, I. Gleadall, A. Golikov, G. Bello, L. Martins, F. Lishchenko, Á. Roura, **H. Judkins**, C. Ibanez, U. Piatkowski, M. Vecchione, R. Villanueva. 2019. Global patterns of species richness in coastal cephalopods; *Front. Mar. Sci.*, 02 August 2019; <https://doi.org/10.3389/fmars.2019.00469>

A. Golikov, F. Ceia, R.M. Sabirov, J. Ablett, I. Gleadall, G. Gudmundsson, H. Hoving, **H. Judkins**, J. Pálsson, A.L. Reid, R. Rosas-Luis, E.K. Shea, R. Schwarz, J. Xavier . 2019. The deep-water Vampire Squid occupy a similar trophic level throughout its global range; *Scientific Reports*, 9:19099. <https://doi.org/10.1038/s41598-019-55719-1>

Meath, B., E. Peebles, B. Seibel, **H. Judkins**. 2019. Stable Isotopes in the Eye Lenses of *Doryteuthis plei* (Blainville 1823): Exploring Natal Origins and Migratory Patterns in the Eastern Gulf of Mexico; *Continental Shelf Research*. 174:76-84; DOI: <https://doi.org/10.1016/j.csr.2018.12.013>

Sutton, T, T. Frank, **H. Judkins**, I. Romero. 2018. As Gulf oil extraction goes deeper, who is at risk? Community structure, distribution, and connectivity of the deep-pelagic fauna. *Scenarios and Responses to Deep-Oil Spills- Fighting the Next War. Vol. 2*. Springer Science.

Allcock, L., **H. Judkins**, Y. Sakuri. 2017. Editorial: Recent advances in cephalopod science. CIAC 2015 special issue. 2565-2567. <http://dx.doi.org/10.1080/00222933.2017.1389385>

Shea, E., **H. Judkins**, M.D. Staudinger, V. Hartigan, A. Lindgren, M. Vecchione. 2017. Cephalopod biodiversity in the vicinity of Bear Seamount, western North Atlantic. *Marine Biodiversity*; 47: 699. <https://doi.org/10.1007/s12526-017-0633-3>

Judkins H., M. Vecchione, A. Cook, T. Sutton. 2016. Diversity of midwater cephalopods in the northern Gulf of Mexico: comparison of two collecting methods. *Marine Biodiversity*. DOI 10.1007/s12526-016-0597-8

Judkins, H., K. Rosario, M. Vecchione. 2016. Morphological and molecular evidence of *Heteroteuthis dagamensis* in the Gulf of Mexico. *Bulletin of Marine Science*. DOI: <http://dx.doi.org/10.5343/bms.2015.1061>

Roper, C.F.E., **H. Judkins**, N. Voss, E. Shea, E. Dawes, D. Ingrao, P. Rothman, I. Roper. 2015. A compilation of recent records of the giant squid, *Architeuthis dux* (Steenstrup, 1857) (Cephalopoda) from the Western North Atlantic Ocean, Newfoundland to the Gulf of Mexico. *American Malacological Bulletin*, 33(1)1-11.

Hoving, HJ, J. Perez, K. Bolstad, H. Braid, A. Evans, D. Fuchs, **H. Judkins**, J. Kelly, J. Marian, R. Nakajima, U. Piatkowski, A. Reid, M. Vecchione, J. Xavier. 2014. The Study of Deep-Sea Cephalopods; E. Vidal editor; *Advances in Marine Biology*, v.67; 235-259.

Judkins, H., S. Arbuckle, M. Vecchione, L. Garrison, A. Martinez. 2013. Cephalopods in the potential prey field of Sperm Whales (*Physeter macrocephalus*) in the northern Gulf of Mexico. *Journal of Natural History*, DOI: 10.1080/00222933.2013.802045

Judkins, H. and M. Vecchione. 2013. *Doryteuthis plei* (Blainville, 1823), the slender inshore squid. *Advances in Squid Biology, Ecology and Fisheries, Part I: Myopsid squid*. Ed. Rui Rosa, Graham Pierce, Ron O'Dor; pp. 241-256.

Judkins, H., M. Vecchione, J. Torres, C.F.E. Roper. 2010. Cephalopod species richness in the wider Caribbean region. - *ICES Journal of Marine Science*, 67: 1392-1400.

Judkins, H. M. Vecchione, & C.F.E. Roper. 2009. Cephalopods (Mollusca: Cephalopoda) of the Gulf of Mexico. *Gulf of Mexico Origin, Waters, and Biota Biodiversity, Volume 1* (Darryl Felder, David A. Camp, editors) Texas A&M University Press, College Station, Texas, Ch. 34, pp. 701-710.

Judkins, Heather. 2009. Cephalopods of the Broad Caribbean: distribution, abundance and ecological importance; dissertation; University of South Florida; 156 p.

Judkins, H. Debra Ingrao, C.F.E. Roper. August 2009. First records of *Asperoteuthis acanthoderma* (Lu, 1977) CEPHALOPODA: OEGOPSIDAE: CHIROTEUTHIDAE), from the North Atlantic Ocean, Straits of Florida. *Proceedings of the Biological Society of Washington*; 122(2):162–170.

Publications in Preparation

Richards, T.M., **H. Judkins**, T.T. Sutton, M.S. Woodstock, R.J.D. Wells. In prep. Body size, depth of occurrence, and local oceanography drive isotopic variation in a diverse deep-pelagic micronekton assemblage; *Progress in Oceanography*.

Judkins, H. Family description chapters: Bathyteuthidae, Batoteuthidae, Promachoteuthidae, Cranchiidae (co-author), Cyloteuthidae, Enoploteuthidae, Lycoteuthidae, Ctenoptyrigidae in *Early-life stages of cephalopods: an identification handbook*; Eds. Vidal, EAG., E. Shea, **H. Judkins**. Springer Nature Publishing. Open Access publication.

Sutton, T.T, R.J. Milligan, A.B. Cook, K.M. Boswell, M. D'Elia, T. Frank, H. Bracken-Grissom, D. Hahn, M.W. Johnston, **H. Judkins**, J. Moore, N.M. Pruzinsky, J.A. Quinlan, I. C. Romero, M. Vecchione, J. Warren. In prep. Deep-sea pelagic populations plummeted in the years following the *Deepwater Horizon* disaster. *Science*.

Nicholson, T., S. Murawski, E. Pulster, **H. Judkins**. In prep. PAH exposure in Red Snapper (*Lutjanus campechanus*) collected at natural and artificial reef systems in the northwestern Gulf of Mexico. *Continental Shelf Research*.

Hetzler, A., M. Breitbart, K. O'Neill, C. Lewis, **H. Judkins**. In prep. In situ and ex situ microbiome assessment for *D. cylindrus* polyps; *Peer J*.

Holloway, H., P. Larson, J. Doody, **H. Judkins**. In prep. Examining the presence of a possible species complex of *Octopus joubini* (Cephalopoda: Octopodidae) in the eastern Gulf of Mexico; *Marine Biodiversity*.

Judkins, H., A. Sosnowski, A. Lindgren, M. Vecchione. Molecular confirmation of the bolitaenin genera. *Marine Biodiversity*.

Research Presentations

2022: - Examining the diets of deep-sea cephalopods from the northern Gulf of Mexico using a metabarcoding approach; **H. Judkins**, M. Vecchione; oral presentation; Cephalopod International Advisory Council Conference, Sesimbra, Portugal, April, 2022.

-Murder in the twilight zone: Do deep water oil and gas platforms facilitate predation on DVM-ing mesopelagics? **S. Murawski**, T. Sutton, J. Moore, H. Judkins, E. Pulster. Oral pres; Ocean Sciences Conference, Feb. 2022.

- In search of... Mesopelagic boundary communities. What are they, why just Hawaii, and could they occur in the Atlantic over deep-water coral? **T. Sutton**, K. Boswell, A. Cook, T. Frank, J. Moore, H. Bracken-Grissom, A. Leitner, K. Benoit-Bird, B. Robison, R. Boyle, M. Vecchione, H. Judkins, E. Cordes, A. Demopoulos. Oral pres; Ocean Sciences Conference, Feb. 2022.
- Sustained observation of the deep-pelagic Gulf of Mexico: the DEEPEND/RESTORE program; T. Sutton, **A.B Cook**, K. Boswell, H. Bracken-Grissom, R. Eytan, D. Fenolio, T. Frank, D. Hahn, M.W. Johnston, H. Judkins, R. J. Milligan, J. Moore, J. Quinlan, T. Richards, I.C. Romero, M. Shivji, A. Bernard, M. Vecchione, M. Woodstock, Y. Zhang; poster pres; Ocean Sciences Conference, Feb. 2022.
- 2021:** - Molecular confirmation of the bolitaenin genera; **H. Judkins**, A. Sosnowski, M. Vecchione. Poster. Deep Sea Biology Society Conference, France, Sept. 2021.
- 2020:** - Molecular tools are contributing to the discovery of new cephalopod species in the northern Gulf of Mexico. **H. Judkins**, L. Rose-Mann, A. Lindgren, M. Vecchione. Oral presentation. CephRes Conference, Italy, Sept. 2020.
- 2019:** - Diel vertical migration facilitates connectivity between mesopelagic prey and epipelagic predatory fishes Murawski, S., T. Sutton, E. Pulster, E. Hughes, J. Morris, K. Boswell, M. Schwaab, I. Romero, **H. Judkins**. Oral presentation. Gulf of Mexico Oil Spill and Ecosystem Science Conference Feb. 2019.
- 2018:** - DEEPEND: What have we learned since 2011 about cephalopods in the northern Gulf of Mexico? **H. Judkins**, M. Vecchione, A. Sosnowski, I. Romero, T. Richards, L. Timm, A. Cook, T. Sutton. Oral Presentation. Gulf of Mexico Oil Spill and Ecosystem Science Conference, Feb. 2018.
- DEEPEND: Species abundance, spatial and vertical distributions of Heteropods (Pterotracheoidea) in the northern Gulf of Mexico. K. Clark*, B. Seibel, M. Vecchione, **H. Judkins**; oral presentation. Gulf of Mexico Oil spill and Ecosystem Science conference; Feb. 2018.
- 2017:** - DEEPEND: Preliminary Results of Cephalopod Vertical Migration Patterns in the Northern Gulf of Mexico; **H. Judkins**, M. Vecchione, A. Cook, T. Sutton. Poster Gulf of Mexico Oil Spill and Ecosystem Science conference. Feb. 2017.
- DEEPEND: Preliminary Results of Cephalopod Vertical Migration Patterns in the Northern Gulf of Mexico; **H. Judkins**, M. Vecchione, A. Cook, T. Sutton. Oral presentation. Aquatic Sciences and Limnology conference. Feb.-Mar. 2017
- DEEPEND: New Bathyteuthid species in the northern Gulf of Mexico. **H. Judkins**, A. Lindgren, K. Clark, M. Vecchione; Oral presentation. American Malacological Society Conference, July, 2017.
- 2016:** -Vertical Distribution Patterns of the Cephalopod Fauna of the Gulf of Mexico; **H. Judkins**, A. Cook, T. Sutton, M. Vecchione. 2016 Gulf of Mexico Oil Spill and Ecosystem Science Conference. Poster.
- The Dynamics of Vertical Movement in the Oceanic Gulf of Mexico after the Deepwater Horizon: Active Linkage of Large Vertebrates and Deep Pelagic Realm. T. Sutton*, A. Cook, T. Frank, K. Boswell, M. Vecchione, **H. Judkins**, I. Romero. 2016 Gulf of Mexico Oil Spill and Ecosystem Science Conference. Poster.
- The Dynamics of Vertical Movement in the Oceanic Gulf of Mexico after the Deepwater Horizon: Active Linkage of Large Vertebrates and Deep Pelagic Realm. T. Sutton*, A. Cook, T. Frank, K. Boswell, M. Vecchione, **H. Judkins**, I. Romero. 2016 Ocean Sciences Meeting. Poster.
- 2015:** -What have we learned about the cephalopod fauna of the Gulf of Mexico? Initial results of the NOAA/NRDA Offshore nekton sampling and analysis program; oral presentation. **H. Judkins**, K. Rosario, M. Vecchione. Cephalopod International Advisory Council Symposium. Hakodate, Japan; Nov. 2015.
- Cephalopod biodiversity in the vicinity of Bear Seamount, western North Atlantic. Poster. Elizabeth Shea, **Heather Judkins**, Michelle D. Staudinger, Valerie Hartigan, Annie Lindgren, and Michael Vecchione. Cephalopod International Advisory Council Symposium; Hakodate, Japan, Nov. 2015.
- Understanding deep-pelagic ecosystem variability in an age of increasing deep-ocean commercial activity: A Gulf of Mexico case study and new research initiative (DEEPEND); oral presentation; Tracey T. Sutton*, Kevin Boswell, Heather Bracken-Grissom, April Cook, Sergio deRada^c, David English, Ron Eytan, Danté Fenolio, Tamara Frank, Chuanmin Hu, Matthew Johnston, **Heather Judkins**, Chad Lembke, Jose V. Lopez, Jon A. Moore, Martha Nizinski, Brad Penta, Isabel C. Romero, Jay R. Rooker, Mahmood Shivji, Michael Vecchione, R. J. David Wells, Marsh Youngbluth; Joint Meetings of Ichthyologists and Herpetologists; Nevada, 2015.
- DEEPEND: Deep-Pelagic Nekton Dynamics of the Gulf of Mexico; poster. Tracey T. Sutton, April Cook*, Kevin Boswell, Heather Bracken-Grissom, Sergio deRada, David English, Ron Eytan, Danté Fenolio, Tamara Frank, Chuanmin Hu, Matthew Johnston, **Heather Judkins**, Chad Lembke, Jose V. Lopez, Jon

A. Moore, Martha Nizinski, Brad Penta, Isabel C. Romero, Jay R. Rooker, Mahmood Shivji, Michael Vecchione, R. J. David Wells, Marsh Youngbluth; Joint Meetings of Ichthyologists and Herpetologists; Nevada, 2015.

Related Presentations

- 2022:** - Lessons learned from exploring the deep; invited guest speaker, Evening Tide Talks, The Florida Aquarium; April 25, 2022.
- 2018:** - What does Heather do with her days? The life of a deep sea researcher; invited guest speaker, St. Petersburg Rotary Club; Jan. 2018
- 2017:** - Cephalopods of the northern Gulf of Mexico; H. Judkins. Invited speaker. Eckerd College. Nov. 2017
-Cephalopods of the northern Gulf of Mexico; H Judkins. Invited speaker. Westminster Palms Community Sept. 2017
- 2016:** -DEEPEND Consortium: What we do in the deep? Invited speaker; USFSP, April 7, 2016
-DEEPEND: Gulf of Mexico Exploration. Oral pres. Nova Southeastern University, Feb. 2016
- 2015:** -What does Dr. Judkins do with her time? invited speaker; Biology Seminar Series, USF-Tampa; Mar. 12, 2015
- 2014:** -What Does Dr. Judkins do with her time? invited speaker; Think Tank, Florida Aquarium. Nov. 30, 2014
-Oceans of Chemistry teacher workshop experience; Oral pres. Florida Marine Science Educators Association Conference, Panama City, FL April, 2014.
- 2013:** -Cephalopods: Current Research; invited speaker; Tide Talks series, The Florida Aquarium; aired on the Tampa Bay Arts and Education Channel; Feb 20, 2013 and March, 2013
-Fascinating Cephalopods; invited speaker; Clearwater Marine Aquarium, Making Waves; Sept. 2013.
-Marine Science Topics - Smithsonian Journeys guest speaker, Celebrity Cruise Lines, 2009-2012.

Awards

- University of South Florida Outstanding Research Award- 2020
- Florida Marine Science Educators Association Educator of the Year; 2012.
- National Board Certified Teacher; Secondary Science- Biology; 2003-2013.
- NSF Graduate STEM Teaching Fellowship; University of South Florida; 2003-2005
Year 1: \$30,000.00; Year 2: \$30,000.00

Leadership Experience

- DEEPEND Consortium Outreach/Education team leader for the 4-year program.
- Florida Institute of Oceanography USFSP representative, Education and Bylaws committees
- Event Organizer for 2018 International Cephalopod Advisory Council Symposium- USFSP
- Advisor to undergraduate biology student capstone research projects; 37 to date; includes Honors theses.
- Chief Scientist onboard USF research vessels for undergraduate field research experiences; 2012- present
- Successfully led two study- abroad biology summer experiences
2012- Biogeography of the Panama Gap: 6-week undergraduate course with 3 weeks in the rainforest and volcanic ecosystems of Costa Rica and the marine ecosystem in Panama; 12 students.
2014- Field Studies in Biology: 4-week undergraduate course with 2 weeks in the rainforest and marine ecosystems of Puerto Rico; 12 students.
- Regional coordinator for the NOSB Spoonbill Bowl; 2004-2009.

Professional Service

University committees:

- USF System Research, Partnerships Advisory Group (2020- present)
- Integrative Biology Department Faculty Advisory Committee (2020- present)
- USFSP Florida Institute of Oceanography representative (2012-present)
- USFSP Research Advisory Group (2017-2021)
- Department of Biological Sciences Secretary (2012- 2020)
- Advisor for the USFSP Marine Adventures Club (2012- present)
- College of Marine Science Dean search committee (2019)
- College of Arts and Sciences Dean search committee (2017)
- USF System STEM Collaborative Committee (2015-2017)
- USF System Research Advisory Committee (2015-2017)

- USFSP Strategic Planning Committee (2013-2014)
- Department of Biological Sciences Annual Review committee member (2012-2017)
- Department of Biological Sciences Search committee member (2013, 2015, 2016, 2019)
- USF College of Marine Science 50th Anniversary Committee (2016)

Research related:

- Cephalopod Advisory Council President (2018-2022)
- Cephalopod Advisory Council Member (2015- 2018)
- Guest editor of the Caribbean Naturalist Journal
- Guest editor for the Journal of Natural History (2016-2017-special cephalopod section)
- Reviewer for NOAA Ocean Exploration Grant awards (2019)
- Reviewer for NOAA B-Wet Educator grant awards (2016-2018)
- Manuscript Reviewer for: Marine Biodiversity, Marine Ecology Progress Series, European Journal of Taxonomy

Graduate Student Advisor

- Conservation Biology MS, co-advisor: Haley Holloway. 2021. Examining the Presence of a Possible Species Complex of *Octopus joubini* (Cephalopoda: Octopodidae) in the Eastern Gulf of Mexico
- Conservation Biology MS: Aubrey Hetzler. 2020. *Dendrogyra cylindrus* (Pillar Coral) of the Florida Reef Tract: An ex situ growth study, and in situ – ex situ bacterial assemblage assessment
- Marine Science MS: Sarah Shedler. 2020. Large thecosome pteropods of the northern Gulf of Mexico: Species abundance, spatial and vertical distribution with a temporal comparison of shell thickness
- Conservation Biology MS: Tiffany Nicholson. 2019. PAH exposure in Red Snapper (*Lutjanus campechanus*) collected at natural and artificial reef systems in the northwestern Gulf of Mexico.
- Conservation Biology MS: Kate Lowry. 2019. A comparative behavioral analysis of time budgets of rehabilitation and resident sea turtles of The Florida Aquarium through the application of an ethogram.
- Marine Science MS: K. Clark. 2019. Species abundance, spatial and vertical distributions of large heteropods (Pterotracheidae and Carinariidae) in the northern Gulf of Mexico
- Marine Science MS: B. Meath. 2017. Stable Isotopes in the Eye Lenses of *Doryteuthis plei*: Exploring Natal Origins and Migratory Patterns in the Eastern Gulf of Mexico
- Marine Science MS: A. Sosnowski. 2017. Genetic Identification and Population Characteristics of Deep-sea Cephalopod Species in the Gulf of Mexico and Northwestern Atlantic Ocean
- Marine Science MS in progress: H. Schwaiger, L. Rose-Mann, S. Riley
- Conservation Biology MS in progress: A. Murray, C. Bell, C. de Noyo

Graduate Committee Member

- PhD: A.B. Evans. 2018. A systematic review of the squid family Cranchiidae (Cephalopoda: Oegopsida) in the Pacific Ocean. AUT Lab for cephalopod ecology and systematics (ALCES), Auckland University of Technology.
- PhD: M. Birk. 2018. Ecophysiology of Oxygen Supply in Cephalopods; College of Marine Science, University of South Florida, St. Petersburg, FL.

Undergraduate Honors Thesis advisor:

Dominique Gallery
 Dominique Gillen
 Lisa Rose-Mann

Media Coverage of Research

Live Science, May 2021, <https://www.livescience.com/first-footage-giant-squid-jellyfish-lure.html>

Special Training

- advanced SCUBA certification, nitrox certification
- CPR and First Aid certification
- HAZMAT certification

- ESOL (English for speakers of other languages) certification

Synergistic Activities

- Cephalopod International Advisory Council (CIAC)
- Deep Sea Biology Society
- American Association for the Advancement of Science (AAAS)
- American Malacological Society (AMS)
- Florida Marine Science Educators Association (FMSEA)
- National Marine Educators Association (NMEA)