

DELBERT 'LEE' SMEE

Chair University Programs, Dauphin Island Sea Lab
 Senior Marine Scientist III, Dauphin Island Sea Lab
 Professor Of Marine And Environmental Science, University Of South Alabama

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EDUCATION

2006	Ph.D. Applied Biology	Georgia Institute of Technology	Atlanta, GA
1998	MS Biology	Georgia Southern University	Statesboro, GA
1996	BS Biology	Piedmont University	Demorest, GA

PROFESSIONAL EXPERIENCE

2021-present	Senior Marine Scientist III Professor	Dauphin Island Sea Lab University of South Alabama
2018-2021	Senior Marine Scientist II Associate Professor Research Scientist	Dauphin Island Sea Lab University of South Alabama Texas A&M University-Corpus Christi
2012-2018	Associate Professor	Texas A&M University-Corpus Christi
2006-2012	Assistant Professor	Texas A&M University-Corpus Christi
2001-2006	Graduate Assistant (IGERT Fellow)	Georgia Institute of Technology
1998-2001	Biology Instructor	Barton Community College

ADMINISTRATIVE EXPERIENCE

2018 - present	Chair University Programs	Dauphin Island Sea Lab
2013 - 2018	Biology Undergraduate Program Coordinator	Texas A&M Corpus Christi

Funded Research Grant Cumulative Total	Peer Reviewed Journal Publications	Years of Teaching Experience	Google Scholar h-index/ i10 index	Graduate Students Mentored
\$7,633,705	76	26	30/50	23

Administrative Experience

2018 – present

Chair University Programs, Dauphin Island Sea Lab

- Graduate and undergraduate program administration
- Program development and assessment
- Overseeing support staff including registrar, vessels, research support staff
- Faculty and staff recruitment, evaluations, and mentoring
- Budgeting
- Student housing and campus life
- Conflict resolution

2013 – 2018

Biology Undergraduate Program Coordinator, Texas A&M – Corpus Christi

- Course scheduling
- Student recruitment
- Curriculum development
- Program assessment

Honors and Awards

2024	Fretwell Educator Award, Boy Scouts of America
2021	Coastal Estuarine Research Federation top 2% peer reviewer
2017	TAMU-CC University Graduation Mace Carrier, Fall 2017
2017	TAMU-CC Excellence Award for Research and Scholarly Activity
2015	TAMU-CC Outstanding Master's Mentor Award
2013	TAMU-CC Outstanding Islander
2012	Coastal Bend Bays Foundation Conservation and Environmental Stewardship Award
2011 – 2015	Ruth A. Campbell Professor of Marine Biology
2011	Texas A&M University System Teaching Excellence Award
2011	TAMU-CC Faculty Excellence Award in Scholarly and Creative Activity Runner-Up
2001, 2005, 2011-16	Who's Who Among America's Teachers
2002-2003	Georgia Tech Graduate Student Association President
2001 –2006	Graduate Assistantship/IGERT Fellowship Georgia Tech
2001	NISOD Teaching Excellence Award
1998	Best Student Paper Georgia Academy of Science
1996	Cum Laude Graduate, Piedmont College
1988	Eagle Scout, Boy Scouts of America

Funded Research Grants: (Cumulative Total = \$7,633,705)

Years	Grant Title and PIs	Organization	\$ Amount
2024-2027	Using machine learning to guide oyster aquaculture site selection. D.L. Smee , J. Lunt, J. Beck	NOAA	483,642
2025 – 2026	Creating resilient oysters for reef restoration and assessing disease infection rates. B.A. Belgrad, A. Tarneki, and D.L. Smee	Mississippi-Alabama Sea Grant	199,675
2023-2027	RaMP: Biological Opportunities and Training in Science (BOATS). D.L. Smee , B. Kiel Reese, E. Moss.	NSF-RaMP	2,512,858
2022-2024	Improving oyster restoration techniques in Alabama while creating a restored reef at Lightning Point. D.L. Smee .	Alabama Coastal Area Management Program	49,203
2022-2024	Preadapting oysters to multiple stressors through predator exposure in nurseries. D.L. Smee , B.A. Belgrad, and PJ Waters.	NOAA	SK 297,196
2022-2024	Costs and benefits of nursery techniques to improve oyster aquaculture and restoration. D.L. Smee , PJ Waters, S. Rickard, and R. Grice.	Mississippi-Alabama Sea Grant	149,699
2021-2024	Understanding the interactive effects of predation and ocean acidification on economically important oyster variants in the northern Gulf of Mexico. K. Hoadley, D. Kemp, and D.L. Smee .	Alabama Center of Excellence	116,543
2020-2022	Tidal elevations for successful oyster reef restoration. D.L. Smee .	Alabama Coastal Area Management Program	49,994
2020-2023	Creating resilient oysters (<i>Crassostrea virginica</i>) to enhance aquaculture and restoration. D.L. Smee , B.A. Belgrad, and W. Walton.	NOAA	SK 298,984

Years	Grant Title	Organization	\$ Amount
2020-2021	RAPID: Human-Driven Trophic Cascades: Mesopredator Release and Recreational Fishing in Estuaries. D.L. Smee.	NSF – Bio-Oce.	78,696
2020-2023	Collaborative Research: Keystone chemicals: Identifying general and universal molecules of fear. M.J. Weissburg, J. Kubanek, and D.L. Smee.	NSF – Bio-Oce.	261,203
2019-2021	Scared strong: Enhancing oyster resilience for aquaculture and restoration by inducing oysters to grow stronger shells. D.L. Smee. B.Belgrad. W. Walton.	Mississippi-Alabama Sea Grant.	148,749
2019-2020	Supplemental funding, Hurricane Michael Effects; Gulf-wide assessment of habitat use and habitat-specific production estimates of nekton in turtle grass (<i>Thalassia testudinum</i>). K.M. Darnell, M.Z. Darnell. D.L. Smee. C.W. Martin..)	NOAA – RESTORE	149,928 (47,829 to Smee for FL site assessment)
2017 – 2020	Gulf-wide assessment of habitat use and habitat-specific production estimates of nekton in turtle grass (<i>Thalassia testudinum</i>). K.M. Darnell, M.Z. Darnell. D.L. Smee. C.W. Martin, and M.O. Hall. role: Co-PI leading habitat assessment and nekton growth in Texas	NOAA – RESTORE.	985,841 (214,387 to Smee)
2017 – 2019	Mangrove Expansion Alters Sediment and Water Quality and Affects Biodiversity in Texas Wetlands. B.K. Reese and D.L. Smee	Texas General Land Office	95,912
2016 – 2019	Testing macroclimate models of coastal wetland plant communities. C.A. Gabler, S.C. Pennings, M.J. Osland, and D.L. Smee. role: completing research in northern sites, outreach	Texas Sea Grant	199,896 (55,512 to Smee for supplies and student support)
2015 – 2016	Nueces Bay Marsh restoration post-construction assessment. D.L. Smee.	Coastal Bend Bays and Estuaries Program	5,000

Years	Grant Title	Organization	\$ Amount
2015 – 2016	Turbidity triggers mesopredator release in estuaries. D.L. Smee .	TAMU-CC Faculty Enhancement Grant	5,000
2013 – 2017	Elementary teachers engaged in authentic math and science (ETEAMS). J. Silliman., J. Champion, M.D. Hill, P. Wright, C.M. McCollough, G. Tintera, S. Ives, and D.L. Smee . role: Senior personnel charged with providing 'authentic' scientific experience for early education majors	NSF	1,497,936 (~\$200k for supplies and lab salaries directly to Smee)
2013 – 2014	Genomics influences population dynamics of an important ecosystem engineer. D.L. Smee and C. Bird.	Texas Research Development Fund	25,000
2013 – 2014	Oyster gene expression and abiotic conditions. C. Bird and D.L. Smee .	Texas Research Development Fund	25,000
2013 – 2014	Effects of turbidity on estuarine biodiversity. D.L. Smee	TAMU-CC Faculty Enhancement Grant	2,600
2013 – 2017	Intrusion of black mangrove and its effects on ecosystem services. D.L. Smee and R.D. Overath.	USDA, Forest Service Cooperative Agreement	50,000
2012 – 2014	Essential information for conserving essential fish habitat in Texas. D.L. Smee .	Rotary Club of Corpus Christi Harvey Weil Sportsman Conservation Award	7,500
2012 – 2015	Effects of black mangrove expansion into South Texas salt marshes: a pilot study. R.D. Overath and D.L. Smee	USDA: Forest Service	49,970

Years	Grant Title	Organization	\$ Amount
2012 – 2013	Effects of sub-lethal attack of <i>Panulirus interruptus</i> on feeding behavior in <i>Aplysia californica</i> . R. Mozzachiodi and D.L. Smee	Texas Research Development Fund	25,000
2012 – 2013	Pesticides affect blue crab mortality and behavior. D.L. Smee	TAMU-CC Faculty Enhancement Grant	5,000
2012 –2013	Intraspecific variation increases recruitment of eastern oysters. D.L. Smee.	TAMU-CC Faculty Enhancement Grant	2,600
2011–2013	Oyster Reef Restoration to Restore Fish Habitat in Texas Project (FAF-11030). J.B Pollack and D. L. Smee.	FishAmerica Foundation with NOAA Restoration Center for Community-based Marine and Anadromous Fish Habitat Restoration Projects	62,046
2010 –2011	Abiotic Conditions Affect Predation Levels of Juvenile Oysters. D.L. Smee.	TAMU-CC Faculty Enhancement Grant	2,600
2010 –2011	Environmental conditions alter predatory interactions on oyster reefs. D.L. Smee.	Texas Research Development Fund	30,000
2010 –2011	Effects of Atrazine, a Commonly Used Agricultural Herbicide on Blue Crab Mortality and Behavior. D.L. Smee.	TAMU-CC Faculty Enhancement Grant	8,500

Years	Grant Title	Organization	\$ Amount
2009 – 2011	Large Fish Predators Help Maintain Oyster Reef Habitats. D.L. Smee	Rotary Club of Corpus Christi Harvey Weil Sportsman Conservation Award	5,000
2009 – 2010	Abiotic Conditions and their Effects on Oyster Reef Communities. D.L. Smee.	TAMU-CC Faculty Enhancement Grant	3,500
2009 – 2010	Effects of Predator Type and Diversity in Natural Communities. D.L. Smee.	Texas Research Development Fund	29,000
2009 – 2013	Marine Education: Teaching High School Students the Scientific Method through Involvement in an Ongoing Field Experiment. D.L. Smee and C.A. McCollough.	Texas Sea Grant	93,180
2009 – 2010	Assessment of a Salt Marsh Restoration in Nueces Bay, TX. D.L. Smee.	Coastal Bend Bays and Estuaries Program	30,000
2008 – 2011	MRI: Acquisition of Equipment to Monitor Environmental Conditions. D.L. Smee. , P.A. Montagna, A. Mestas-Nuñez, G.W. Stunz, and R.D. Overath.	NSF – MRI	389,542
2008 – 2009	Effects of Salinity and Pesticides on the Mortality and Behavior of Blue Crabs (<i>Callinectes sapidus</i>). D.L. Smee.	TAMU-CC Faculty Enhancement Grant	10,843
2008 – 2009	Effects of Predator Biodiversity on the Magnitude of Top-Down Forces in Oyster Reef Communities. D.L. Smee.	Texas Research Development Fund	40,000
2007 – 2008	Influence of Habitat Setting, Genetic Diversity, and Species Interactions on the Establishment of Oyster Reef Communities. D.L. Smee.	Texas Research Development Fund	40,000

Years	Grant Title	Organization	\$ Amount
2007 – 2008	Understanding Variation in a Behavioral Trait in the Hard Clam. R.D. Overath and D.L. Smee .	NIH EARDA	8.375
2007 – 2011	Collaborative Research: The Effects of Flow on the Nature and Strength of Indirect Effects. D.L. Smee and G.C. Trussell.	NSF – Bio-Oce	442,000 (216,070 to Smee)

Publications

Peer-reviewed Journal Articles

* graduate student

** undergraduate student

¹ post doc mentored by Smee

79) Russell, C*, B.A. Belgrad, **D.L. Smee**. *Submitted*. Scared Strong: Predator Cues Bolster Oyster Restoration. **Restoration Ecology**.

78) **Smee, D.L.**, B.A. Belgrad, E. Pettis, J.W. Reustle, J. Lunt. *Submitted*. Life on the Edge: Extreme Events Highlight the Magnitude of Top-Down Forces in Estuaries. **Ecology**

77) Hayes, C., S.B. Alford, B.A. Belgrad¹, K.M. Correia*, Z. Darnell, K.S. Dillon, B.T. Furman, M.O. Hall, C.W. Martin, A. M. McDonald, **D.L. Smee**, S.S. Smith, K.M. Darnell. *In review*. Regional variability in producer and consumer stable isotope ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$) and source contributions within turtle grass-dominated meadows across the northern Gulf of Mexico. **Estuaries and Coasts**.

76) Belgrad, B.A., C. Lin*, C. Russell*, R. Cannon*, J. Lunt, **D.L. Smee**. 2025. Costs of induced defenses dissipate by maturity for diploid and triploid oysters. **Aquaculture**. 596:1
<https://doi.org/10.1016/j.aquaculture.2024.741796>

75) Reustle, J.W., B.A. Belgrad, E.L. Pettis, and **D.L. Smee**. 2024. Hurricanes temporarily weaken human-ecosystem linkages in estuaries. **Oecologia**. 205: 545-559
<https://doi.org/10.1007/s00442-024-05592-1>

74) Lin, C.* , B.A. Belgrad, C.M. Russell*, J. Lunt, and **D.L. Smee**. 2024. Phenotypic plasticity expands oyster survival across tidal elevations. **Marine Ecology Progress Series**. 734: 35-43.
<https://doi.org/10.3354/meps14561>

73) Correia, K.M.* , S.B. Alford, B.A. Belgrad, K.M. Darnell, M.Z. Darnell, B.T. Furman, M.O. Hall, C.W. Martin, A. McDonald, and **D.L. Smee**. 2024. Hurricane effects of seagrass and associated nekton communities in the northern Gulf of Mexico. **Estuaries and Coasts**. 47: 162-165.
<https://doi.org/10.1007/s12237-023-01276-w>

Publications

Peer-reviewed Journal Articles

* graduate student

** undergraduate student

¹ post doc mentored by Smee

- 72) Sniff, I., **D.L. Smee**, and H.E. Steinmuller. 2023. Oyster Reef Restoration Influences Local Sediment Geochemistry Prior to Introduction of Live Oysters. ***Gulf and Caribbean Research***. 34: SC40-SC44. Doi:10.18785/gcr.3401.23
<https://doi.org/10.18785/gcr.3401.23>
- 71) **Smee, D.L.** and B.A. Belgrad. 2023. Intraspecific potency of predation risk cues. ***Gulf and Caribbean Research***. 34:SC30-SC34. Doi:10.18785/gcr.3401.21
<https://doi.org/10.18785/gcr.3401.21>
- 70) Bardou, R., M.J. Osland, et al. 70 authors including **D.L. Smee**. 2023. Rapidly changing range limits in a warming world: critical data limitations and knowledge gaps for advancing understanding of mangrove range dynamics. ***Estuaries and Coasts***. 46: 1123-1140.
<https://doi.org/10.1007/s12237-023-01209-7>
- 69) Roney, S.H., M.R. Cepeda, B.A. Belgrad¹, S.G. Moore, **D.L. Smee**, J. Kubanek, and M.J. Weissburg. 2023. Common fear molecules induce defensive responses in marine prey across trophic levels. ***Oecologia***. 202:655-667.<https://doi.org/10.1007/s00442-023-05438-2>
- 68) Belgrad, B.A.¹, D.L. Smee, and M.J. Weissburg. 2023. Predator signaling of multiple prey on different trophic levels structures trophic cascades. *Ecology*. E4052
<https://doi.org/10.1002/ecy.4050>
- 67) Reustle, J.W.* , B.A. Belgrad¹, A. McKee, and **D.L. Smee**. 2023. Barnacles as biological flow indicators. ***PeerJ***. 11:e15015. Doi.org/10.7717/peerj.15018
<https://doi.org/10.7717/peerj.15018>
- 66) Belgrad, B.A.¹, W. Knudson*, S.H. Roney, W.C. Walton, J. Lunt, and **D.L. Smee**. 2023. Induced defenses as a management tool: Shaping individuals to their environment. ***Journal of Environmental Management***. 338: 117808. doi.org/10.1016/j.jenvman.2023.117808.
<https://doi.org/10.1016/j.jenvman.2023.117808>
- 65) Hodges, D.J., A. Eason, and **D.L. Smee**. 2022. Burrowing behavior of marsh periwinkles *Littoraria irrorata* in response to predator cues. ***Gulf and Caribbean Research***. SC7-SC9. Doi: 10.18785/gcr.3301.10 <https://doi.org/10.18785/gcr.3301.10>
- 64) Correia, K.M*. and **D.L. Smee**. 2022. A review of tropical cyclone effects on seagrass meadows. ***Wetlands***. 42: 108 <https://doi.org/10.1007/s13157-022-01611-0>

Publications

Peer-reviewed Journal Articles

* graduate student

** undergraduate student

¹ post doc mentored by Smee

- 63) Correia, K.M.* and **D.L. Smee**. 2022. Drift macroalgae increases recruitment and alters abiotic conditions within seagrass meadows. **Journal of Experimental Marine Biology and Ecology**. 557: 151808. <https://doi.org/10.1016/j.jembe.2022.151808>
- 62) Correia, K.M.*; S.B. Alford, B.A. Belgrad, K.M. Darnell, M.Z. Darnell, B.T. Furman, M.O. Hall, C.W. Martin, A. McDonald, and **D.L. Smee**. 2022. Drift macroalgae distribution in northern Gulf of Mexico seagrass meadows. **PeerJ**. 10.7717/peerj.13855 <https://doi.org/10.7717/peerj.13855>
- 61) Correia, K.M.*; S.B. Alford, B.A. Belgrad, K.M. Darnell, M.Z. Darnell, B.T. Furman, M.O. Hall, C.W. Martin, A. McDonald, and **D.L. Smee**. 2022. Drift macroalgae positively influence seagrass-associated nekton communities of the northern Gulf of Mexico. **Frontiers in Marine Science**. 10.3389/fenvs.2022.939296 <https://doi.org/10.3389/fenvs.2022.939296>
- 60) Hayes, T.H, S.B. Alford, B.A. Belgrad¹, K.C. Correia*, M.Z. Darnell, B.T. Furman, C.W. Martin, A.M. McDonald, **D.L. Smee**, and K.M. Darnell. 2022. Regional variation in seagrass complexity drives blue crab (*Callinectes sapidus*) mortality and growth across the northern Gulf of Mexico. **Marine Ecology Progress Series**. 693: 141-155 <https://doi.org/10.3354/meps14084>
- 59) Osland, M.J. *et al.* 21 authors including **D.L. Smee**. 2022 The impacts of mangrove range expansion on wetland ecosystem services in the southeastern United States: Current understanding, knowledge gaps, and emerging research needs. **Global Change Biology**. 28: 3163-3187 <https://doi.org/10.1111/gcb.16111>
- 58) Patrick, C.J. *et al.* 50 authors including **D.L. Smee**. 2022. A universal pattern of trade-offs between ecosystem resistance and resilience to tropical cyclones. **Sciences Advances**. 8: eabl9144 <https://doi.org/10.1126/sciadv.abl9155>
- 57) Eason, A.**; A.B. Powell**, S.H. Roney*, Carter Lin*, Christa M. Russell*, B.A. Belgrad¹, and **D.L. Smee**. 2021. Timing of predation risk during early development influences oyster shell morphology. **Gulf and Caribbean Research**. 31: SC1-SC5. DOI: 10.18785/gcr.3201.13 <https://doi.org/10.18785/gcr.3201.13>
- 56) Rue, C.R, J.D. Selwyn, P.M. Crockett, B. Gillis, L. Gurski, P. Jose, B.L. Kutil, S.F. Magnuson, L.A. Lopez de Mesa, R.D. Overath, **D.L. Smee**. and C.E. Bird. 2021. Genetic diversity across the mitochondrial genome of eastern oysters (*Crassostrea virginica*) in the northern Gulf of Mexico. **Peer J**: e12205 <https://doi.org/10.7717/peerj.12205>
- 55) Belgrad, B.A. ¹, E.M. Combs**, W. Walton. and **D.L. Smee**. 2021. Use of predator cues to bolster oyster resilience for aquaculture and reef restoration. **Aquaculture**. 538: 736553 <https://doi.org/10.1016/j.aquaculture.2021.736553>

Publications

Peer-reviewed Journal Articles

* graduate student

** undergraduate student

¹ post doc mentored by Smee

- 54) Belgrad, B.A.¹, **D.L. Smee**, K.M. Correia*, K.M. Darnell, M.Z. Darnell, C.T. Hayes, M.O. Hall, B.T. Furman, C.W. Martin. 2021. Environmental drivers of seagrass-associated nekton abundance and function groups across the northern Gulf of Mexico. *Estuaries and Coasts* 44: 2279-2290. <https://doi.org/10.1007/s12237-021-00927-0>
- 53) Ponce, M.**, B.A. Belgrad, W. Walton. **D.L. Smee**. 2020. Hatchery exposure of oyster spat to different predators strengthens oyster shells. *Gulf and Caribbean Research*. 31: SC36 – SC40 <https://doi.org/10.18785/gcr.3101.14>
- 52) Whalen, M.A., *et al.* 67 authors including M.S. Diskin*, **D.L. Smee**. 2020. Climate drives the geography of marine consumption by changing predator communities. *Proceedings of the National Academy of Sciences of the USA*. 117: 28160 – 28166. <https://doi.org/10.1073/pnas.2005255117>
- 51) Kimbro, D.L., A.E. Scherer*, J.E. Byers, J.H. Grabowski, A.R. Hughes, M.F. Piehler, and **D.L. Smee**. 2020. Environmental gradients influence biogeographic patterns of nonconsumptive effects on oysters. *Ecosphere*. 11 (10): e03260 <https://doi.org/10.1002/ecs2.3260>
- 50) **Smee, D.L.**, J.W. Reustle*, B.A. Belgrad¹, and E.L. Pettis. 2020. Storms promote ecosystem resilience by alleviating fishing. *Current Biology*. 30: R869 – R870 <https://doi.org/10.1016/j.cub.2020.06.048>
- 49) Reustle, J.* and **D.L. Smee**. 2020. Salinity variation and turbidity influence trophic cascades through sensory driven mesopredator release and facilitation of different predator types. *Marine Ecology Progress Series*. 639: 127-136 <https://doi.org/10.3354/meps13283>
- 48) Reustle, J.* and **D.L. Smee**. 2020. Cloudy with a chance of mesopredator release: sensory disruption alleviates top-down control in estuaries. *Limnology and Oceanography* 9999: 1-13 <https://doi.org/10.1002/lno.11452>
- 47) Lunt, J.* and **D.L. Smee**. 2020. Turbidity alters estuarine biodiversity and species composition. *ICES Journal of Marine Science*. 77: 379-387 <https://doi.org/10.1093/icesjms/fsz214>
- 46) Combs, E.M.**, B.A. Belgrad, and **D.L. Smee**. 2019. Comparison of hatchery methods to strengthen oysters for aquaculture. *Gulf and Caribbean Research* 30: SC17-SC21. <https://doi.org/10.18785/gcr.3001.09>

Publications

Peer-reviewed Journal Articles

* graduate student

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- 45) **Smee, D.L.** 2019. Coastal ecology: living shorelines reduce coastal erosion. **Current Biology**. 29: R411-412. Invited Dispatch <https://doi.org/10.1016/j.cub.2019.04.044>
- 44) Schroeder-Spain, K.* and **D.L. Smee**. 2019. Dazed, confused, then hungry: pesticides alter predator-prey interactions of estuarine organisms. **Oecologia**. 189: 815-828 <https://doi.org/10.1007/s00442-019-04361-9>
- 43) Loveless, J.B.* and **D.L. Smee**. 2019. Changes in arthropod communities as black mangroves *Avicennia germinans* expand into Gulf of Mexico salt marshes. **Arthropod-Plant Interactions**. 13: 465-475 <https://doi.org/10.1007/s11829-018-9643-8>
- 42) Loveless, J.B.* and **D.L. Smee**. 2018. Assessing the efficacy of marsh restoration via terracing by comparing nekton abundance before and after restoration. **Gulf of Mexico Science**. 34: 56-62 <https://doi.org/10.18785/goms.3401.05>
- 41) Scherer, A.E.*, C. Bird, M. McCutcheon*, X. Hu., and **D.L. Smee**. 2018. Two-tiered defense strategy may compensate for predator avoidance costs of an ecosystem engineer. **Marine Biology**. **165: 131** doi.org/10.1007/s00227-018-3391-2 <https://doi.org/10.1007/s00227-018-3391-2>
- 40) Correia, K.* and **D.L. Smee**. 2018. Organophosphate pesticides alter blue crab (*Callinectes sapidus*) behavior in single and consecutive exposures. **Archives of Environmental Contamination and Toxicology**. 75: 134-144 <https://doi.org/10.1007/s00244-018-0536-8>
- 39) Schroeder-Spain, K.*, L.L. Fisher**, and **D.L. Smee**. 2018. Uncoordinated: Effects of sublethal malathion and carbaryl exposures on juvenile and adult blue crabs (*Callinectes sapidus*). **Journal of Experimental Marine Biology and Ecology**. 504: 1-9 <https://doi.org/10.1016/j.jembe.2018.03.005>
- 38) Scherer, A.E.* and **D.L. Smee**. 2017. Eastern oysters *Crassostrea virginica* may produce plastic morphological defenses in response to crab predators despite resource limitation. **Biological Bulletin**. 233: 144-150. doi/10.1086/695470 <https://doi.org/10.1086/695470>
- 37) Diskin, M.S.* and **D.L. Smee**. 2017. Effects of black mangrove expansion on salt marsh fauna before and after a flood. **Hydrobiologia**. MMM4 Special Issue. 803: 283-294 <https://doi.org/10.1007/s10750-017-3179-2>

Publications

Peer-reviewed Journal Articles

* graduate student

** undergraduate student

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- 36) Scherer, A.E.* , M.M. Garcia.** and **D.L. Smee**. 2017. Predatory blue crabs induce stronger nonconsumptive effects in eastern oysters *Crassostrea virginica* than scavenging blue crabs. **PeerJ**. 5:e3042; DOI: 10.7717/peerj3042 <https://doi.org/10.7717/peerj.3042>
- 35) Lunt, J.* , J. Reustle*, and **D.L. Smee**. 2017. Wave energy reduces the abundance and size of benthic species on oyster reefs. **Marine Ecology Progress Series**. 569: 25-36. Doi: 10.3354/meps12075 <https://doi.org/10.3354/meps12075>
- 34) **Smee, D.L.**, J.A. Sanchez*, M. Diskin, and C. Trettin. 2017. Mangrove expansion alters associated faunal communities. **Estuarine Coastal Shelf Science**. 187: 306-313. <https://doi.org/10.1016/j.ecss.2017.02.005>
- 33) Gain, I.* , R.A. Brewton, M.M. Reese Robillard, K.D. Johnson*, **D.L. Smee**, and G.W. Stunz. 2017. Macrofauna using intertidal oyster reef varies in relation to position within the estuarine mosaic. **Marine Biology** 164:8 <https://doi.org/10.1007/s00227-016-3033-5>
- 32) Wolfe, K.D.* , M.L. Wainwright, **D.L. Smee**, and R. Mozzachiodi. 2016. Eat or be eaten? Modification of *Aplysia californica* feeding behavior in response to natural aversive stimuli. **Animal Behavior** 120: 123-133. <https://doi.org/10.1016/j.anbehav.2016.07.030>
- 31) Scherer, A.E.* and **D.L. Smee**. 2016. A review of predator diet effects on prey defensive responses. **Chemoecology** 26: 83-100. <https://doi.org/10.1007/s00049-016-0208-y>
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- 27) Ray, B.R.* , M.W. Johnson, K. Cammarata, and **D.L. Smee**. 2014. Expansion of tropical seagrasses into Northwestern Gulf of Mexico estuaries: Effects on associated fauna. **PLoS One** 9:9 10775. <https://doi.org/10.1371/journal.pone.0107751>

Publications

Peer-reviewed Journal Articles

* graduate student

** undergraduate student

¹ post doc mentored by Smee

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- 25) Weissburg, M.J., **D.L. Smee**, and M.C. Ferner. 2014. The sensory ecology of non-consumptive predator effects. **American Naturalist** 184: 141-157. <https://doi.org/10.1086/676644>
- 24) Johnson, K.D.* and **D.L. Smee**. 2014. Predators influence tidal distribution of eastern oysters (*Crassostrea virginica*). **Marine Biology** 161:1557–1564. <https://doi.org/10.1007/s00227-014-2440-8>
- 23) Robinson, E.M.* , J. Lunt*, C.D. Marshall, and **D.L. Smee**. 2014. Eastern oysters (*Crassostrea virginica*) deter crab predators by altering their morphology in response to crab cues. **Aquatic Biology**. 20: 111-118. <https://doi.org/10.3354/ab00549>
- 22) **Smee, D.L.**, R.D. Overath, K.D. Johnson*, and J.A. Sanchez**. 2013. Intraspecific variation influences natural settlement of Eastern Oysters (*Crassostrea virginica*). **Oecologia**. 173: 947-953. <https://doi.org/10.1007/s00442-013-2645-4>
- 21) Large, S.I.* and **D.L. Smee**. 2013. Biogeographic variation in behavioral and morphological responses to predation risk. **Oecologia**. 171: 961-969 <https://doi.org/10.1007/s00442-012-2450-5>
- 20) Johnson, K.D.* and **D.L. Smee**. 2012. Size matters for risk assessment and resource allocation in bivalves. **Marine Ecology Progress Series**. 462: 103-110. <https://doi.org/10.3354/meps09804>
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Publications

Peer-reviewed Journal Articles

* graduate student

** undergraduate student

¹ post doc mentored by Smee

- 16) Large, S.I.*, **D.L. Smee**, and G.C. Trussell. 2011. Environmental conditions influence the frequency of prey responses to predation risk. *Marine Ecology Progress Series* 422: 41-49 <https://doi.org/10.3354/meps08930>
- 15) Large, S.I.* and **D.L. Smee**. 2010. Type and nature of cues used by *Nucella lapillus* to evaluate predation risk. *Journal of Experimental Marine Biology and Ecology* 396: 10-17 <https://doi.org/10.1016/j.jembe.2010.10.005>
- 14) **Smee, D.L.** 2010. Species with a large impact on community structure. *Nature Education Knowledge* 1(8): 18. <https://www.nature.com/scitable/knowledge/>
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- 12) Gutierrez, M.A.*, A.A. Cordona**, and **D.L. Smee**. 2010. Seasonal Growth Patterns of Shoal Grass *Halodule wrightii* and Manatee Grass *Syringodium filiforme* in the Western Gulf of Mexico. *Gulf and Caribbean Research Report* 22: 71-75. <https://doi.org/10.18785/gcr.2201.09>
- 11) **Smee, D.L.**, M.C. Ferner, and M.J. Weissburg. 2010. Hydrodynamic sensory stressors produce nonlinear predation patterns. *Ecology* 91: 1391- 1400. <https://doi.org/10.1890/09-0017.1>
- 10) Flynn, A.M.* and **D.L. Smee**. 2010. Behavioral plasticity of the soft-shelled clam *Mya arenaria* in the presence of predators increases survival in the field. *Journal of Experimental Marine Biology and Ecology* 383: 32-38. <https://doi.org/10.1016/j.jembe.2009.10.017>
- 9) Wendel, C.W.* and **D.L. Smee**. 2009. Blue crab mortality increased and behavior altered by environmentally-occurring concentrations of Malathion. *Marine Ecology Progress Series* 392: 157-165. <https://doi.org/10.3354/meps08205>
- 8) Ferner, M.C., **D.L. Smee**, and M.J. Weissburg. 2009. Habitat complexity alters lethal and non-lethal olfactory interactions between benthic predators and prey. *Marine Ecology Progress Series* 174: 13-22. <https://doi.org/10.3354/meps07764>
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Publications

Peer-reviewed Journal Articles

* graduate student

** undergraduate student

¹ post doc mentored by Smee

- 6) **Smee, D.L.**, M.C. Ferner, and M.J. Weissburg. 2008. Alteration of sensory abilities regulates the spatial scale of nonlethal predator effects. *Oecologia* 156: 399-409. <https://doi.org/10.1007/s00442-008-0995-0>
- 5) **Smee, D.L.**, and M.J. Weissburg. 2006. Clamming up: Environmental forces diminish the perceptive ability of bivalve prey. *Ecology* 87: 1587-1598. [https://doi.org/10.1890/0012-9658\(2006\)87\[1587:CUEFDT\]2.0.CO;2](https://doi.org/10.1890/0012-9658(2006)87[1587:CUEFDT]2.0.CO;2)
- 4) **Smee, D.L.**, and M.J. Weissburg. 2006. Hard clams (*Mercenaria mercenaria*) evaluate predation risk using chemical cues from predators and injured conspecifics. *Journal of Chemical Ecology*. 32: 605-619. <https://doi.org/10.1007/s10886-005-9021-8>
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- 2) Weissburg, M.J., C.P. James, **D.L. Smee**, and D.R. Webster. 2003. Fluid mechanics produces conflicting constraints during olfactory navigation of blue crabs, *Callinectes sapidus*. *Journal of Experimental Biology* 26: 171-180. <https://doi.org/10.1242/jeb.00055>
- 1) Weissburg, M.J., M.C. Ferner, D.P. Pisut, and **D.L. Smee**. 2002. Ecological consequences of chemically mediated prey perception. *Journal of Chemical Ecology* 28: 1953-1970. <https://doi.org/10.1023/A:1020741710060>

Presentations

Invited Seminars

Year	Title	Event
2025	Scared Strong: Using Predator Cues to Enhance Oyster Aquaculture and Restoration	Auburn University
2024	Scared Strong: Using Predator Cues to Enhance Oyster Aquaculture and Restoration	University of Southern Mississippi
2024	Scared Strong: Using Predator Cues to Enhance Oyster Aquaculture and Restoration	International Shellfish Restoration Conference Jekyll Island, GA

Presentations Invited Seminars		
Year	Title	Event
2024	Chemical Cues and the Ecology of Fear: Applications Toward Improving Oyster Aquaculture and Restoration	Louisiana Tech University
2023	Yikes: An Introduction to the Ecology of Fear	Jacksonville State University
2022	Yikes: Chemical Cues and the Ecology of Fear	University of Alabama Huntsville
2019	Ecological Hors d'oeuvre: Human Impacts and Effects on Coastal Ecosystems	University of Alabama Birmingham
2017	Yikes: An Introduction to the Ecology of Fear	University of South Alabama
2017	Pearls of Wisdom from a Decade of Oyster Research	Georgia Southern University
2017	Waves of Change: How Waves can Alter Oyster Reef Communities	NOAA Seminar Series Washington, D.C.
2017	Pearls of Wisdom from a Decade of Oyster Research	Dauphin Island Sea Lab
2016	Omnivory, turbidity, and phenotypic plasticity influence oyster populations and associated oyster reef fauna.	University of North Carolina Wilmington
2016	Chemical cues mediate community structure and function on oyster reefs.	Bowling Green State University
2015	The world is my oyster: chemical signals and turbidity on oyster reefs.	Florida State University
2015	The world is my oyster: chemical signals, turbidity, and genetic diversity on oyster reefs.	Dauphin Island Sea Lab
2015	The world is my oyster: Turbidity triggers mesopredator release by altering chemically mediated trophic interactions	SICB Annual Meeting, West Palm Beach, FL, USA.

Presentations Invited Seminars		
Year	Title	Event
2014	The world is my oyster: chemical signals, turbidity, and genetic diversity on oyster reefs.	University of Alabama-Birmingham
2014	The world is my oyster: chemical cues govern settlement and inducible defenses on oyster reefs.	International Society of Chemical Ecology Annual Meeting, Champaign, IL.
2012	Trophic interactions and intraspecific variation on oyster Reefs.	University of Texas Marine Science Institute.
2012	Trophic interactions, chemical cues, and the role of intraspecific variation on oyster reefs.	Texas A&M University – Galveston
2011	Hydrodynamics and chemical cues modulate predator effects in rocky intertidal communities.	International Society of Chemical Ecology Annual Meeting, Vancouver, BC, Canada.
2011	Yikes! An introduction to the ecology of fear.	Del Mar College
2011	The Maine part of the Smee Lab.	Harte Research Institute
2009	Predator avoidance behaviors: Costs, benefits, environmental variables, and biogeography.	Romberg Tiburon Center for Environmental Studies, San Francisco, CA.
2009	Challenges and insights of measuring hydrodynamics in the field.	NortekUSA Users Symposium, St. Augustine, FL.
2009	The ecology of yikes! Lethal and nonlethal predator effects modulated by hydrodynamics.	Texas A&M University – Galveston.
2009	Nonlinear relationship between estuarine hydrodynamics and predation intensity.	National Shellfisheries Meeting, Savannah, GA.
2006	The ecology of yikes! Environmental forces affect prey reactions to consumers.	University of Texas Marine Science Institute.

Conference Presentations as Presenting Author

(>250 coauthored presentations not listed)

Year	Title	Event
2024	Scared Strong: Predator cues bolster oyster aquaculture and restoration. Smee, D.L. , C. Russell, J. Lunt, B. Belgrad, S. Rogers, M. Cepeda, B. Jaco, J. Kubanek, M. Weissburg.	Bays and Bayous Symposium, Biloxi, MS
2024	Scared Strong: Predator cues bolster oyster aquaculture and restoration. Smee, D.L. , C. Russell, J. Lunt, B. Belgrad, S. Rogers, M. Cepeda, B. Jaco, J. Kubanek, M. Weissburg.	Internation Conference on Shellfish Restoration, Jekyll Island, GA
2024	Predator urine cues induce shell strengthening in oysters <i>Crassostrea virginica</i> . Smee, D.L. , C. Russell, J. Lunt, B. Belgrad, S. Rogers, M. Cepeda, B. Jaco, J. Kubanek, M. Weissburg.	Benthic Ecology Meeting, Charleston, SC
2023	Hurricanes, Covid, and freezes oh my!... Recreational fishing, top-down control, and oyster resiliency to stochastic events. Smee, D.L. , B. Belgrad, J. Reustle, J. Lunt, E. Pettis	Coast Estuarine Research Federation Biannual Meeting. Portland, OR
2023	Barnacles as biological flow indicators. Smee, D.L. , J.W. Reustle, A. McKee, and B.A. Belgrad.	Benthic Ecology Meeting, Miami, FL
2023	Induced defenses as a management tool: Shaping individuals to their environment. Smee, D.L. and B.A. Belgrad	Bays and Bayous Meeting. Mobile, AL
2022	Scared Strong: Using predator cues to Bolster Oyster Restoration and Aquaculture. Smee, D.L.	Gulf Estuarine Research Society. Ocean Springs, MS.
2022	Hurricanes, Covid, and freezes oh my!... Recreational fishing and top-down control in estuaries. Smee, D.L. , B. Belgrad, J. Reustle, J. Lunt, E. Pettis	Benthic Ecology Meeting. Portsmouth, NH.
2020	Scared Strong: Predator exposure increases oyster survival. Smee, D.L. , B. Belgrad. and W. Walton.	Bays and Bayous Annual Meeting. Virtual
2019	Hurricanes interrupt human driven trophic cascades and facilitate oyster reef recovery. Smee, D.L. , J. Reustle, B. Belgrad, and E. Pettis.	Coastal Estuarine Research Federation. Biannual Meeting, Mobile, AL

Conference Presentations as Presenting Author

(>250 coauthored presentations not listed)

Year	Title	Event
2019	Hurricanes interrupt human driven trophic cascades and facilitate oyster reef recovery. Smee, D.L. , J. Reustle, B. Belgrad, and E. Pettis.	Benthic Ecology Meeting, St. Johns, Newfoundland, Canada.
2018	Species shifts and precipitation changes influence faunal communities. Smee, D.L.	Ecological Society of America Annual Meeting, New Orleans, LA.
2017	Waves of change, hydrodynamic forces affect oyster reef communities. Smee, D.L. , J. Lunt. And J. Reustle.	Western Society of Naturalist Meeting, Pasadena, CA
2017	Phenotypic plasticity in oysters mediated by chemicals from predators and injured prey. Smee, D.L. and A. Scherer.	SICB Annual Meeting, New Orleans, LA, USA.
2016	Getting to the root of the problem: Black mangrove expansion into Texas salt marshes. Smee, D.L. , M. Diskin, J. Sanchez, and C. Trettin.	Mangrove and Macrobenthos Meeting (MMM4), St. Augustine, FL.
2016	Getting to the root of the problem: Black mangrove expansion into Texas salt marshes. Smee, D.L. , M. Diskin, J. Sanchez, and C. Trettin.	Society of Wetland Scientists Annual Meeting, Corpus Christi, TX, USA
2016	Phenotypic plasticity mechanisms in oysters <i>Crassostrea virginica</i> . Smee, D.L. and A. Scherer.	Benthic Ecology Meeting, Portland, ME, USA
2015	Turbidity flattens trophic pyramids through mesopredator release. Smee, D.L. and Jessica Lunt.	Benthic Ecology Meeting, Quebec, Canada.
2014	Biogeographic variation in prey responses to predation risk: interactions between crabs and <i>Nucella</i> in the Gulf of Maine. Smee, D.L. and S.I. Large.	Benthic Ecology Meeting, Jacksonville, FL, USA.
2014	Interspecific diversity influences ecological functions. Smee, D.L. , R.D. Overath, K.D. Johnson, and J.A. Sanchez.	Ocean Sciences Meeting, Honolulu, HI, USA.

Conference Presentations as Presenting Author

(>250 coauthored presentations not listed)

Year	Title	Event
2013	Intraspecific diversity influences natural settlement of eastern oysters <i>Crassostrea virginica</i> . Smee, D.L. , R.D. Overath, K.D. Johnson, and J.A. Sanchez.	Benthic Ecology Meeting, Savannah, GA, USA.
2012	Intraspecific diversity influences natural settlement of eastern oysters <i>Crassostrea virginica</i> . Smee, D.L. R.D. Overath, K.D. Johnson, and J.A. Sanchez.	Benthic Ecology Meeting, Norfolk, VA, USA.
2011	Hydrodynamic sensory stressors produce nonlinear predation patterns. Smee, D.L.	Coastal Estuarine Research Federation Annual Meeting, Daytona Beach, FL.
2011	Predator avoidance behavior of the soft-shell clam <i>Mya arenaria</i> increases survival in the field. Smee, D.L. and A.M. Flynn.	Benthic Ecology Meeting, Mobile, AL, USA.
2010	Ambient Malathion concentrations increase mortality and modify behavior of blue crabs. Smee, D.L. and C.W. Wendel.	Benthic Ecology Meeting, Wilmington, NC, USA.
2009	Heightened prey responses in risky habitats: Predation pressure increases prey sensitivity to risk. Smee, D.L. and M.J. Weissburg.	Bays and Estuaries Meeting, Port Aransas, TX, USA.
2009	Blue crab foraging success mediated by hydrodynamics: Nonlinear relationship of flow and natural predation patterns. Smee, D.L. , M.C. Ferner, and M.J. Weissburg	Benthic Ecology Meeting, Corpus Christi, TX, USA.
2008	Heightened prey responses in risky habitats: Predation pressure increases prey sensitivity to risk. Smee, D.L. and M.J. Weissburg.	Benthic Ecology Meeting, Providence, RI, USA.
2007	Alteration in sensory abilities regulates the spatial scale of nonlethal predator effects. Smee, D.L.	Benthic Ecology Meeting, Atlanta, GA.

Conference Presentations as Presenting Author

(>250 coauthored presentations not listed)

Year	Title	Event
2006	Alteration in sensory abilities regulates the spatial scale of nonlethal predator effects. Smee, D.L.	Gulf Estuarine Research Society Meeting, Corpus Christi, TX.
2006	The ecology of yikes! Environmental forces affect prey reactions to consumers. Smee, D.L.	Georgia Tech Ph.D. defense seminar.
2005	Does consumer pressure influence the predator detection and avoidance ability of hard clams? Smee, D.L. and M.J. Weissburg.	Benthic Ecology Meeting, Williamsburg, VA.
2004	Turbulence impacts interactions between marine consumers and prey. Smee, D.L. and M.J. Weissburg.	Ecological Society of America Meeting, Portland, OR, USA.
2004	Chemical Crypsis: Can hard clams hide from blue crabs and knobbed whelks? Smee, D.L. and M.J. Weissburg.	Benthic Ecology Meeting, Mobile, AL, USA.
2003	Clamming up: Environmental forces diminish the perceptive ability of bivalve prey. Smee, D.L. and M.J. Weissburg.	Ecological Society of America Meeting, Savannah, GA, USA.
2003	Clamming up: Responses of hard clams to blue crab and knobbed whelk predators. Smee, D.L. and M.J. Weissburg.	Marine Benthic Ecology Meeting. Groton, CT, USA.
2002	Locomotion and chemosensory tradeoffs during olfactory navigation. Smee, D.L. , M.J. Weissburg, and D.R. Webster.	Marine Benthic Ecology Meeting, Orlando, FL.

Media Coverage

Year	Media Outlet
2023	NPR Morning Edition Mobile Bay Oyster Research may help Restoration Elsewhere https://www.npr.org/2023/08/08/1192634076/research-from-alabamas-mobile-bay-help-oyster-reef-restoration-elsewhere
2023	al.com Feature These researchers are scaring baby oysters with crab pee. For science. https://www.al.com/life/2023/06/these-researchers-are-scaring-baby-oysters-with-crab-pee-for-science.html
2022	WHIL NPR Feature – Scientists work to revitalize Alabama’s Gulf Coast oyster beds Link
2022	al.com , The Lede, Can crab urine improve the life path of oysters in Mobile Bay?
2020	The Conversation Hurricanes Fishing Food Webs
2020	Alabama Current Connection Current Connection Spring 2020
2019	Alabama News Center , Article Link
2016	Reddit.com Science AMA series , September 8, 2016
2014	KIII News Little Coastal Protectors, July 2014 view @ https://youtu.be/M3VaQnlucQs
2014	KIII News http://kiii.videodownload.worldnow.com/KIII_20140423092136527AA.mp4
2013	Dugdug.com Interview http://www.dugdug.com/delbert-smee-discusses-eastern-oysters
2013	KEDT NPR Interview with Stuart Jacoby May 14, 2013
2013	KTRH News Radio AM 740 . Interview with News Anchor Scott Crowder. May 3,
2013	Gainesville, GA Times “Hall native studying oyster population” Page 1, May 13, 2013
2013	Corpus Christi Caller Times College Notes, Page 3B May 6, 2013
2013	TAMU-CC Making Waves “Dr. Lee Smee discovers mechanism that can reduce Worldwide oyster decline” April 30, 2013
2008	National Geographic Wild , “Guardians of Nature.” A documentary about scientific research that protects coastal habitats. Produced by Miriam Elhadad for National Geographic Channel – France. May 2008

Teaching Experience

Graduate Courses

Class Title	Semester(s)	Year(s)	Institution(s)
Watershed Sustainability	Summer	2024	USA
Advanced Marine Ecology	Fall Spring	2023 2020, 2022	DISL/USA
Sensory Ecology	Spring	2021	DISL/USA
Graduate Seminar	Spring	2019	DISL/USA
Marine Ecological Processes	Fall	2009, 2010, 2011, 2012, 2013, 2014, 2015	TAMU-CC
Marine Ecology	Fall	2009, 2010, 2011, 2012, 2013, 2014, 2015	TAMU-CC
Marine Chemical Ecology	Spring	2008, 2011, 2013, 2017	TAMU-CC
Ecology of Freshwaters	Spring	2007	TAMU-CC
Fluid Dynamics of Organisms (TA)	Fall	2005	Georgia Tech

Undergraduate Courses

Class Title	Semester(s)	Year(s)	Institution(s)
Wetlands Ecology	Summer	2024	DISL/USA
Marine Ecology	Spring	2023	DISL/USA
General Biology II	Fall:	2006, 2007, 2008, 2009, 2010, 2011	TAMU-CC
Principles of Ecology	Fall	2006, 2007, 2008, 2012, 2013, 2015, 2016	TAMU-CC
	Spring	2007, 2008, 2009, 2010, 2011, 2015, 2016, 2018	
Field and Sampling Techniques	Summer	2017	TAMU-CC
Field Biology	Summer	2013, 2014, 2015, 2016, 2017	TAMU-CC
Principles of Ecology Lab	Fall	2006	TAMU-CC
Limnology	Spring	2007	TAMU-CC
Ecology (TA)	Spring	2003, 2004, 2005, 2006	Georgia Tech
Microbiology Lab (TA)	Fall	2001, 2002	Georgia Tech
Principles of Microbiology	Fall	1998, 1999, 2000	Barton Comm. College
	Spring	1999, 2000, 2001	
Principles of Biology	Fall	1998, 1999, 2000	Barton Comm. College
	Spring	1999, 2000, 2001	
Insects of Kansas	Summer	1999, 2000	Barton Comm. College
Bioethical Issues	Fall	2000	Barton Comm. College
Concepts of Ecology	Spring	2001	Barton Comm. College

Mentoring

* Indicates student received degree

Current position listed if known

Post-Doctoral Researchers

Benjamin Belgrad	Feb 2018 – 2022	Research Scientist Dauphin Island Sea Lab
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Doctoral

Gabrielle Davis	Aug. 2023 – present	
Jessica Hilliker	Aug. 2023 – present	
Christa Russell	May 2021 – present	
Randi Cannon	May 2019 – present	
Kelly Correia*	Aug. 2016 – 2021	TX Commission on Environmental Quality
Joey Reustle*	Aug. 2014 – May 2020	Assistant Professor Hampton University
Avery Scherer*	Aug. 2012 – May 2017	Ecologist Cramer Fish Sciences
Kaitlyn Schroeder-Spain*	July 2010 – May 2017	DOE; Adjunct Miami University
Jessica Lunt*	Aug. 2009 – Aug. 2014	Research Scientist I Dauphin Island Sea Lab
Keith Johnson*	Aug. 2006 – Aug. 2012	Senior Lecturer, Stevenson University
Scott Large*	Aug. 2008 – Aug.2011	NOAA

Master of Science

Michael Hydrick*	Aug. 2022 – May 2024	Coast Guard
Carter Lin*	Jan. 2021 – Dec. 2022	Virginia Institute of Marine Science
William Knudson*	Aug. 2019 – May 2021	CA Dept Fish and Wildlife
Cole Castleberry*	May 2016 – Aug. 2018	TX Commission on Environmental Quality
Jacob Loveless*	Aug. 2015 – May 2017	NOAA
Meredith Diskin*	Aug. 2013 – Aug. 2016	USGS
Kelly Correia*	Jan. 2013 – May 2016	TX Commission on Environmental Quality
Kevin Wolfe*	Aug. 2012 – Dec. 2014	Moreland Altobelli Associates
James Sanchez*	Jan. 2012 – May 2015	Teacher Corpus Christi ISD
Brandon Ray*	Aug. 2010 – Dec. 2012	Self-employed
Kevin Byron*	Aug. 2008 – Aug. 2010	unknown
Elizabeth Robinson*	May 2008 – Aug.2010	Louisiana Sea Grant
Amanda Flynn*	Dec. 2007 – Aug.2008	Metropolitan Community College
Christina Wendel*	Aug. 2006– Dec. 2008	EPA, Washington, D.C.
Scott Large*	Aug.2006 – Aug.2008	NOAA
Melissa Gutierrez*	Aug.2006 – Aug. 2008	Teacher Austin ISD

Student Awards

Mimi Eason	Best Student Poster, Benthic Ecology Meeting	2022
Christa Russell	University of South Alabama Graduate Fellowship, 3 Minute Thesis University Winner	2021, 2023
Kelly Correia	University of South Alabama Graduate Fellowship	
Joey Reustle	NSF Graduate Fellowship	2016
	Texas Sea Grant Grants in Aid for student research	2017
Jake Loveless	3 rd Place	2016
	Best Student Poster, Texas Bays and Estuaries Meeting	
Kaitlyn Schroeder-Spain	John A. Knauss Marine Policy Fellow NSF, Division of Ocean Sciences	2015
Avery Scherer	Fulbright Postdoctoral Fellowship	2017
	Texas Sea Grant Grants in Aid for student research	2014, 2015, 2016
	3 Minute Thesis Competition local winner national competition	2016
	SICB Student Travel Award	2017
	TAMU-CC Outstanding Doctoral Student	2017
Jessica Lunt	TAMU-CC Outstanding Doctoral Student	2015
James Sanchez	Undergraduate Student Oral Presentation 5 th Place, Sigma Xi Undergraduate Research Symposium	2011
Philip Torres	Best Undergraduate Oral Presentation, Gulf Estuarine Research Society Meeting, Port Aransas, Texas	2010
	TAMU-CC Outstanding Islander	2011
Amanda Flynn	TAMU-CC Graduate Student Symposium 2 nd Place Oral Presentation	
Elizabeth Robinson	Darling Marine Center Summer Fellowship	2009
Keith Johnson	2 nd Place Best Oral Presentation, Society for the Advancement of Chicanos and Native Americans (SACNAS)	2008

Professional Society Memberships

Benthic Ecology Meeting Society

- President 2018, Past-President 2019
- Treasurer 2019- present

Ecological Society of America (ESA)

Society of the Advancement of Chicanos and Native Americans (SACNAS)

Coastal Estuarine Research Federation

Professional Service

Conferences

Benthic Ecology Society	2019- present 2018-2019 2017-2018	Treasurer Past-President President
Benthic Ecology Meeting	2006-2024 2009	Session Chair Meeting Organization Assistance
Sigma Xi	2011-2012 2010-2011	President Organized Undergraduate Research Symposium President Elect
Texas Academy of Sciences	2008	Session Chair: Aquatic Sciences Section

Reviewer

NSF Panelist March 2024, November 2020, April 2014

EPA Panelist July 2024

National Science Foundation Proposal and Preproposal Reviews

National Oceanic and Atmospheric Administration including Sea Grant National Estuarine Research Reserve (NERR)

Journal Reviewer (200+ reviews to date in 50 different journals)

University Service

2024 – 2025	USA Professional Development Awards Committee
2019 – present	USA Lab Safety Committee
2013 – 2018	Biology Undergraduate Program Coordinator, TAMU-CC
2011 – 2014	University Graduate Council
2010 – 2017	Coastal and Marine System Science Program Policy Committee
2010 – 2017	Marine Biology Recruitment Committee
2007 – 2018	Life Science General Biology Curriculum Committee

2009 – 2011, 2016 – 2018	College of S&T Distinguished Lecturer Committee Chair
2009 – 2011	College of Science and Technology Field Trip Committee
2006 – 2009	Life Sciences Department Graduate Committee
2008 – 2009	Life Sciences Department Graduate Committee, Chair
2007– 2008	University Student Appeals Committee
2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2018 - 2024	Faculty/Staff Search Committees

Community Service

2022-present	Scoutmaster: Scouting America Troop 251 Girls
2018-2022	Scoutmaster/Assistant Scoutmaster : Boy Scout Troop 292
2019-2020	Cub Scout Pack 133 Den Leader
2011 – 2018	Corpus Christi Downtown Rotary Club Member, Paul Harris Fellow
2008 – 2017	Tuloso Midway High School Science Club Co-Sponsor
2015 – 2018	Boy Scout Troop 226 Assistant Scoutmaster
2012 – 2014	Cub Scout Pack 226 Den Leader
2011 – 2012	Cub Scout Pack 226 Assistant Den Leader