

Paola López-Duarte

Associate Professor

Department of Environmental Science and Management | Portland State University
1825 SW Broadway, Portland, OR 97201plopezd@pdx.edu | www.lopezduartelab.com | orcid.org/0000-0003-1332-4859**EDUCATION**

- 2008 **Ph.D. Biological Sciences.** Florida Institute of Technology, Melbourne, FL.
Dissertation Title: Selective tidal-stream transport behavior of fiddler crab (*Uca* spp.) larvae: comparisons among species and different tidal regimes
- 2003 **B.S. Marine Biology.** Graduated *summa cum laude*. Florida Institute of Technology, Melbourne, FL.

PROFESSIONAL EXPERIENCE

- 2023– *Associate Professor* Department of Environmental Science and Management
Portland State University, Portland, OR
- 2018–2023 *Assistant Professor* Department of Biological Sciences
University of North Carolina at Charlotte, Charlotte, NC
- 2018– *Visiting Professor* Department of Marine and Coastal Sciences
Rutgers University, New Brunswick, NJ
- 2012–2018 *Assistant Research Professor* Rutgers University Marine Field Station
Rutgers University, Tuckerton, NJ
- 2011–2012 *Assistant Research Professor*
Haskin Shellfish Research Laboratory/Institute of Marine and Coastal Sciences,
Rutgers University, Port Norris, NJ
- 2010–2011 *Postdoctoral Researcher* (IMCS Fellowship)
Haskin Shellfish Research Laboratory/Institute of Marine and Coastal Sciences
Rutgers University, Port Norris, NJ
- 2008–2010 *Postdoctoral Researcher*
Integrative Oceanography Division,
Scripps Institution of Oceanography, La Jolla, CA
- 2006–2008 *Graduate Research Assistant*
Department of Biological Sciences
Florida Institute of Technology, Melbourne, FL
- 2003–2006 *Graduate Teaching Assistant*
Department of Biological Sciences
Florida Institute of Technology, Melbourne, FL

AWARDS, HONORS, and CERTIFICATES

- 2023 SACNAS Distinguished Mentor Award
- 2023 *Fellow*, Linton-Poodry SACNAS Leadership Institute
- 2023 *Student Organization Advisor of the Year*, UNC Charlotte

- 2023 Integration of Undergraduate Teaching and Research Award, College of Liberal Arts and Sciences, UNC Charlotte (*Winner*)
- 2022 Integration of Undergraduate Teaching and Research Award, College of Liberal Arts and Sciences, UNC Charlotte (*Finalist*)
- 2022 Essentials for Teaching and Learning Certificate, UNC Charlotte's Center for Teaching and Learning
- 2022 UNC Charlotte International Women's Day (*Faculty Honoree*)
- 2021 DEI Workforce Certificate, The University of South Florida Muma College of Business
- 2021 Mentor Training Workshop, UNC Charlotte's Graduate School
- 2021 Teaching and Learning Essentials, UNC Charlotte's Center for Teaching and Learning
- 2020 Essentials of Learning Technologies, UNC Charlotte's Center for Teaching and Learning
- 2009 University of California San Diego Equal Opportunity/Affirmative Action and Diversity Award
- 2006 Best Oral Presentation, Division of Invertebrate Zoology, Society for Integrative and Comparative Biology
- 2006 Outstanding Student Paper, Annual Meeting of the Florida Academy of Sciences
- 2005 Joan Bixby Women's History Award, Florida Institute of Technology
- 2005 Outstanding Graduate in Marine Biology, Florida Institute of Technology
- 2005 Sigma Xi award for the Best Oral Presentation, Annual Meeting of the Florida Academy of Science Meetings
- 2003 Best Student Presentation, Annual Benthic Ecology Meeting
- 2003 Frank G. Brooks Award for Excellence in Student Research, TriBeta Biological Honor Society
- 2003 Outstanding Senior of the Year in Marine Biology, Florida Institute of Technology
- 2002 Kerry B. Clark Endowed Scholarship in Marine Biology, Florida Institute of Technology
- 2002 NSF Research Experience for Undergraduates Fellowship
- 2002 Outstanding Junior of the Year in Marine Biology, Florida Institute of Technology
- 1999 Florida Tech Academic Scholarship (4 years)

GRANTS

- 2023–2026 *NSF-REU Site: Research Experiences and Mentorship in Urban Systems (REMUS)*. Co-PI while at UNC Charlotte, \$426,730.
- 2021–2024 *USGS/SC CASC: Planning for a fresher future: Implications of river management practices on saltmarsh restoration projects in coastal Louisiana*. PI, \$31,047.
- 2018–2023 *NOAA RESTORE: Linking community and food-web approaches to restoration*. Co-PI, \$337,781.
- 2018–2020 *NSF-REU Site: Research Internships in Ocean Sciences (RIOS)*. PI while at Rutgers University, \$241,993.
- 2018–2019 *Gulf of Mexico Research Initiative, RFP-VI: Oil spills as stressors in coastal marshes: the legacy and the future*. Co-PI, \$299,996.
- 2016–2018 *New Jersey SeaGrant: Understanding the origins and growth rates of juvenile striped bass in small rivers and coastal bays*. Co-PI, \$138,000.

2015–2017 *Gulf of Mexico Research Initiative, RFP-IV: Responses of marsh fishes to petroleum pollution. Co-PI, \$997,788.*

PUBLICATIONS (undergraduate researchers, *graduate students)

23. Keppeler FW, AS Engel, LM Hooper-Bùi, **PC López-Duarte**, CW Martin, JA Olin, K Lamb*, MJ Polito, NN Rabalais, BJ Roberts, EM Swenson, OP Jensen (2023) Coastal wetland restoration through the lens of Odum's theory of ecological succession. *Restoration Ecology* doi.org/10.1111/rec.14072
22. Martin CW, **Lopez-Duarte PC**, Olin JA, Robert BJ (2023) Editorial: Gulf of Mexico Estuaries: Ecology of the Nearshore and Coastal Ecosystems Impacted by the Deepwater Horizon Oil Spill. *Front. Environ. Sci.* doi.org/10.3389/fenvs.2023.1203443
21. Oken KL, Able KW, de Mutsert K, Fodrie FJ, **López-Duarte PC**, Martin CW, McCann MJ, Olin JA, Polito MJ, Roberts BJ, Jensen OP (2023) Fishery closures, more than predator release, increased persistence of nearshore fishes and invertebrates to the Deepwater Horizon oil spill. *Estuaries and Coasts* doi.org/10.1007/s12237-023-01246-2
20. Keppeler FW, Junker JR, Shaw MJ, Alford SB, Engel AS, Hooper-Bui LM, Jensen OP, Lamb K, **Lopez-Duarte PC**, Martin CW, McDonald AM, Olin JA, Paterson AT, Polito MJ, Rabalais NN, Roberts BJ, Rossi RE, Swenson EM (2023) Can created saltmarshes match biodiversity of pre-existing ones across scales? An assessment from microbes to predators. *Ecosphere*. DOI: 10.1002/ecs2.4461
19. Lamb KJ, Midway SR, Brasso RL, **López-Duarte PC**, Kimball ME and Polito MJ (2022), Mercury biomagnification in a coastal Louisiana food web following the 2010 Deepwater Horizon oil spill. *Front. Environ. Sci.* 10:937124. doi: 10.3389/fenvs.2022.937124
18. Keppeler, F., J.A. Olin, **P.C. López-Duarte**, M.J. Polito, L. Hooper-Bùi, S. Taylor, N. Rabalais, F.J. Fodrie, B.J. Roberts, R. E. Turner, C. W. Martin, O.P. Jensen (2021) Body size, trophic position, and the coupling of different energy pathways across a saltmarsh landscape. *Limnology and Oceanography Letters*. DOI: 10.1002/lol2.10212
17. Moyo, S., H. Bennadji, D. Laguaite, A.A. Perez-Umphrey*, A.M. Snider*, A. Bonisoli-Alquiati, J.A. Olin, P.C. Stouffer, S.S. Taylor, **P.C. López-Duarte**, B.J. Roberts, L. Hooper-Bui, M.J. Polito. 2021. Stable isotope analyses identify trophic niche partitioning between sympatric terrestrial vertebrates in coastal saltmarshes with differing oiling histories. *PeerJ* 9:e11392 DOI: 10.7717/peerj.11392
16. Schreiber, G., **P.C. López-Duarte**, K.W. Able. 2019. Composition, Seasonality, and Life History of Decapod Shrimps in Great Bay, New Jersey. *Northeast Naturalist*. DOI:10.1656/045.026.0411
15. Jensen, O.P., C.W. Martin, K.L. Oken, F.J. Fodrie, **P.C. López-Duarte**, K.W. Able, and B.J. Roberts. 2019. Simultaneous estimation of dispersal and survival of the Gulf Killifish (*Fundulus grandis*) from a batch tagging experiment. *Marine Ecology Progress Series*. DOI: 10.3354/meps13040
14. Able, K.W., **P.C. López-Duarte**, T. M. Grothues, L. Barry, R. Petrecca, J. Fredricks, C. Navara, A. Hanson. 2019. *Limulus polyphemus* (Atlantic Horseshoe Crab) Habitats in a Small Estuary and the Adjacent Inner Continental Shelf: Linkages Across Mid-Atlantic Bight Seascapes. *Northeast Naturalist* 26(1):287-304. DOI: 10.1656/045.026.0205
13. Vastano*, A.R., K.W. Able, O.P. Jensen, **P.C. López-Duarte**, C.W. Martin, B.J. 2017. Roberts. Age validation and seasonal growth patterns of a subtropical marsh fish: the Gulf killifish, *Fundulus grandis*. *Environmental Biology of Fishes* DOI: 10.1007/s10641-017-0645-7
12. McCann, M. J., K.W. Able, R.R. Christian, F.J. Fodrie, O.P. Jensen, J.J. Johnson*, **P.C. López-Duarte**, C.W. Martin, J.A. Olin, M. Polito, B.J. Roberts., S. Ziegler*. 2017. Key taxa in food web responses to

stressors: The Deepwater Horizon Oil Spill. *Frontiers in Ecology and the Environment* DOI: 10.1002/fee.1474

11. **López-Duarte, P.C.**, F.J. Fodrie, O.P. Jensen, A. Whitehead, F. Galvez, B. Dubansky, and K.W. Able. 2016. Is exposure to Macondo oil reflected in the otolith chemistry of marsh-resident fish? *PLoS ONE* 11(9): e0162699. DOI: 10.1371/journal.pone.0162699
10. Able K.W., **P.C. López-Duarte**, F.J. Fodrie, O.P. Jensen, C.W. Martin, B.J. Roberts, J. Valenti, K. O'Connor, and S.C. Halbert. 2015. Fish assemblages in Louisiana salt marshes: effects of the Macondo Oil Spill. *Estuaries and Coasts* DOI: 10.1007/s12237-014-9890-6
9. Fodrie, F.J., K.W. Able, F. Galvez, K.L. Heck Jr., O.P. Jensen, **P.C. López-Duarte**, C.W. Martin, R.E. Turner, and A. Whitehead. 2014. Integrating organismal and population responses of Gulf of Mexico fishes to the Macondo spill guides future research priorities. *BioScience* 64: 778–788. DOI: 10.1093/biosci/biu123
8. Carson H.S., **P.C. López-Duarte**, G.S. Cook, F.J. Fodrie, B.J. Becker, C. DiBacco, L.A. Levin. 2013. Temporal, spatial, and interspecific variation in geochemical signatures within fish otoliths, bivalve larval shells, and crustacean larvae. *Marine Ecology Progress Series* 473: 133–148. DOI: 10.3354/meps10078
7. **López-Duarte, P.C.**, H.S. Carson, G.S. Cook, F.J. Fodrie, B.J. Becker, C. DiBacco, and L.A. Levin. 2012. What controls connectivity? An empirical, multi-species approach. *Integrative Comparative Biology*. DOI: 10.1093/icb/ics104
6. **López-Duarte, P.C.**, J.H. Christy and R.A. Tankersley. 2011. A behavioral mechanism for dispersal in fiddler crab larvae (genus *Uca*) varies with adult habitat, not phylogeny. *Limnology and Oceanography* 56(5): 1979-1892. DOI 10.4319/lo.2011.56.5.1879
5. Carson, H.S., G.S. Cook, **P.C. López-Duarte**, L.A. Levin. 2011. Evaluating the importance of demographic connectivity in a marine metapopulation. *Ecology* 92(10): 1972-1984. DOI: 10.1890/11-0488.1
4. Carson, H.S., **P.C López-Duarte**, L. Rasmussen, D. Wang, and L.A. Levin. 2010. Reproductive timing alters population connectivity in marine metapopulations. *Current Biology* 20:1926–1931. DOI: 10.1016/j.cub.2010.09.057
3. **López-Duarte, P.C.** and R.A. Tankersley. 2009. Developmental shifts in the selective tidal-stream transport behavior of larvae of the fiddler crab *Uca minax*. *Journal of Experimental Marine Biology and Ecology* 368:169-180. DOI: 10.1016/j.jembe.2008.10.005
2. **López-Duarte, P.C.** and R.A. Tankersley. 2007. Circatidal swimming behaviors of larvae of the fiddler crab *Uca pugilator* from different tidal regimes. *Marine Ecology Progress Series* 343:207-220. DOI: 10.3354/meps06926
1. **López-Duarte, P.C.** and R.A. Tankersley. 2007. Circatidal swimming behavior of brachyuran crab zoea larvae: implications for ebb-tide transport. *Marine Biology* 151:2037-2051. DOI: 10.1007/s00227-007-0614-3

PRESENTATIONS AND PUBLISHED ABSTRACTS (undergraduate and graduate* student researchers)

López-Duarte, P.C., R. Wright*, BrabbleRose*. Timing is Everything: Effects of Temperature on Embryonic Development and Spawning in Fiddler Crabs. Society of Integrative and Comparative Biology Meeting, Seattle, WA. January 2024.

*BrabbleRose, C., Q. Kruger, A. Reitzel, P.C. López-Duarte. It's About Time: Unraveling the Molecular Clocks of Fiddler Crab Embryos and Larvae. Society of Integrative and Comparative Biology Meeting, Seattle, WA. January 2024.

López-Duarte, P.C., C.W. Martin, M.J. Polito, J.A. Olin. Fine-scale Saltmarsh Complexity Supports Resident and Transient Nekton Communities. Coastal & Estuarine Research Federation (CERF) Conference, Portland, OR. November 2023.

Wright, R. C. BrabbleRose, **P.C. López-Duarte**. Effects of Temperature on Embryo Development and Larval Release. Coastal & Estuarine Research Federation (CERF) Conference, Portland, OR. November 2023.

Wright, R. C. BrabbleRose, **P.C. López-Duarte**. The Effects of Temperature on Embryo Development and Larval Release in Fiddler Crabs. SACNAS National Diversity in STEM Conference, Portland, OR. October 2023

*BrabbleRose, C., Q. Kruger, A. Reitzel, **P.C. López-Duarte**. Sync or Swim: Unraveling the Molecular Clocks of Fiddler Crab Embryos and Larvae. SACNAS National Diversity in STEM Conference, Portland, OR. October 2023

Brinegar, K. and **López-Duarte, P.C.** Utilizing Integrated Diet and Habitat Use Biomarkers for Fish Life History Reconstruction (*Biology Honors Thesis*). UNC Charlotte Undergraduate Research Conference, April 2023.

Gomez Rodriguez, Y. and **López-Duarte, P.C.** Energetic Pathways and Trophic Diversity Among Macroinvertebrate Communities in Saltmarshes (*Biology Honors Thesis*). UNC Charlotte Undergraduate Research Conference, April 2023. **First Place Oral Presentation Award**

Brinegar, K., Olin J.A., and **López-Duarte, P.C.** Integrating Dietary and Habitat-Use Biomarkers to Recreate Saltmarsh-Dependent Fish Life History. National Conference on Undergraduate Research (NCUR) Eau Claire, WI, April 2023.

Gomez Rodriguez, Y., Olin J.A., and **López-Duarte, P.C.** Energetic Pathways and Trophic Diversity Among Macroinvertebrate Communities in Saltmarshes. National Conference on Undergraduate Research (NCUR) Eau Claire, WI, April 2023.

Brinegar, K. and **López-Duarte, P.C.** The Integration of Two Biomarkers in Saltmarsh-Dependent Fish. State of North Carolina Undergraduate Research & Creativity Symposium (SNCURCS), Wilmington, NC, December 2022.

Gomez Rodriguez, Y. and **López-Duarte, P.C.** Energetic Pathways Among Macroinvertebrate Communities in Saltmarshes. State of North Carolina Undergraduate Research & Creativity Symposium (SNCURCS), Wilmington, NC, December 2022.

Magallan, R. and **López-Duarte, P.C.** Impact of a Salinity Gradient on Saltmarsh Macroinvertebrate Species Abundance and Composition. State of North Carolina Undergraduate Research & Creativity Symposium (SNCURCS), Wilmington, NC, December 2022.

Gomez Rodriguez, Y., J.A. Olin, **P.C. López-Duarte**. Tracing the Energy Pathways of Macroinvertebrates in Saltmarsh Food Webs Using Carbon and Nitrogen Stable Isotopes. SACNAS National Diversity in STEM Conference, San Juan, PR. October 2022

- Brinegar, K., J. A. Olin, **P.C López-Duarte**. Inter-and intra-specific movement and resource use patterns across ocean-estuarine seascape. SACNAS National Diversity in STEM Conference, San Juan, PR. October 2022
- *BrabbleRose, C., J. Troutman, J., **P.C. López-Duarte**. Identifying entertainment cues underlying the circatidal clock in fiddler crab embryos. SACNAS National Diversity in STEM Conference, San Juan, PR. October 2022. ***Outstanding Presentation Award***
- Balch, I. and **López-Duarte, P.C** Maternal Entrainment of the Circatidal Clock in Fiddler Crabs. UNC Charlotte Summer Research Symposium, August 2022
- McNamara, K and **López-Duarte, P.C.** Is Fish Growth Impacted by River Diversions into Saltmarshes? UNC Charlotte Summer Research Symposium, August 2022
- Magallan, R. and **López-Duarte, P.C.** Abundance and Composition of Saltmarsh Macroinvertebrate Species Across a Salinity Gradient UNC Charlotte Summer Research Symposium, August 2022
- Brinegar, K. and **López-Duarte, P.C.** Integration of Habitat Use and Dietary Biomarkers in Marsh-Dependent Fish. UNC Charlotte Summer Research Symposium, August 2022
- Gomez Rodriguez, Y. and **López-Duarte, P.C.** Piecing Together the Pathways of Energy Through Macroinvertebrate Food Webs in Saltmarshes. UNC Charlotte Summer Research Symposium, August 2022.
- Brinegar, K. and **López-Duarte, P.C.** Nourishment and a Nursery Habitat: Mapping Fish Life History in Saltmarshes Using Diet and Environmental Biomarkers. Sigma Xi's Student Research Showcase, April 2022. (*Virtual Conference*)
- Keppeler, F. W., J. R. Junker, M. J. Shaw, A. S. Engel, A. McDonald, B. J. Roberts, C. W. Martin, E. M. Swenson, J. A. Olin, L. M. Bui, M. J. Polito, N. N. Rabalais, O. P. Jensen, **P. C. Lopez-Duarte**, R. Rossi, S. Alford. Created coastal marshes have equivalent diversity to natural coastal marshes: A case study from Louisiana. April 2022. Poster. Gulf of Mexico Conference (GoMCon). Baton Rouge, LA.
- López-Duarte, P.C.**, C.W. Martin, M.J. Polito, J.A. Olin. Fine-scale Saltmarsh Complexity Supports Resident and Transient Nekton Communities. The Gulf of Mexico Conference (GoMCon), Baton Rouge, LA, April 2022.
- López-Duarte, P.C.**, M.J. Polito, E.M. Swenson, B.J. Roberts. Can Restored Marshes Support Similar Macroinvertebrate Communities to Natural References? The Gulf of Mexico Conference (GoMCon), Baton Rouge, LA, April 2022.
- Brinegar, K., J.A. Olin, **López-Duarte, P.C.** Inter- and intra-specific Movement and Resource Use Patterns Across Ocean-estuarine Seascapes. The Gulf of Mexico Conference (GoMCon), Baton Rouge, LA, April 2022.
- Patel, A. and **López-Duarte, P.C.** Discovering the Factors that Drive Biodiversity of Macroinvertebrates in Saltmarshes. UNC Charlotte Undergraduate Research Conference, April 2022.
- Brinegar, K. and **López-Duarte, P.C.** Food and Shelter: Mapping Fish Life History in Saltmarshes Using Diet and Habitat Biomarkers. UNC Charlotte Undergraduate Research Conference, April 2022. (*Virtual Conference*)
- Gomez Rodriguez, Y. and **López-Duarte, P.C.** Unraveling the Complexity of Macroinvertebrate Food Webs in Saltmarshes. UNC Charlotte Undergraduate Research Conference, April 2022. (*Virtual Conference*)

- Gatrell, C. and **López-Duarte, P.C.** The Use of Macroinvertebrates as Bioindicators of Marsh Creation Success. UNC Charlotte Undergraduate Research Conference, April 2022. (*Biology Honors Thesis, Virtual Conference*)
- Magallon, R. and **López-Duarte, P.C.** Comparison of Macroinvertebrate Species Abundance Across a Salinity Gradient. UNC Charlotte Undergraduate Research Conference, April 2022. (*Biology Honors Thesis, Virtual Conference*)
- Patel, A. and **López-Duarte, P.C.** Discovering the Factors that Drive Biodiversity of Macroinvertebrates in Saltmarshes. UNC Charlotte Undergraduate Research Conference, April 2021. (**UNC Charlotte Science, Technology, & Engineering - Oral Award, Virtual Conference**)
- BrabbleRose, C.* and **López-Duarte, P.C.** Physiochemical entrainment of the circatidal clock in fiddler crab embryos. Association of Biological Sciences Graduate Students Research Symposium, April 2021 (*Virtual*)
- Wright, R.* and **López-Duarte, P.C.** The Effects of Temperature on Embryo Development in Fiddler Crabs (*Uca* spp.) Association of Biological Sciences Graduate Students Research Symposium, April 2021 (*Virtual*)
- Patel, A., M.J. Polito, B.J. Roberts, E.M. Swenson, **P.C. López-Duarte.** Restored Marshes Can Support Similar Macroinvertebrate Communities to Natural References, but Elevation Matters. SACNAS' National Diversity in STEM Conference. October 2021. (*Virtual Conference*)
- Patel, A. and **P.C. López-Duarte.** Can Restored Saltmarshes Support Macroinvertebrate Communities Similar to a Natural Reference? UNC Charlotte Undergraduate Research Conference, July, 2021. (*Virtual Conference*)
- Onasanya, I. and **P.C. López-Duarte.** Behavioral and Genetic Responses to Thermal Stress in Fiddler Crabs. UNC Charlotte Undergraduate Research Conference, July 2021. (*Virtual Conference*)
- Brinegar, K. and **P.C. López-Duarte.** Feeding and Habitat Use of Marsh-Dependent Fish. UNC Charlotte Undergraduate Research Conference, April 2021. (**Department of Biological Sciences Best Poster Award, Virtual Conference**)
- Patel, A. and **P.C. López-Duarte.** Macrobenthos Communities in Natural and Restored Saltmarshes. UNC Charlotte Undergraduate Research Conference, April 2021. (**UNC Charlotte Sustainability Award, Virtual Conference**)
- Pence, L. and **P.C. López-Duarte.** Activity Rhythms of Female Fiddler Crabs During Embryonic Development. UNC Charlotte Undergraduate Research Conference, April 2021. (*Biology Honors Thesis, Virtual Conference*)
- Lucero, R. and **P.C. López-Duarte.** Comparison of Arthropod Biodiversity Within Different Locations in Reference and Restored Marshes. UNC Charlotte Undergraduate Research Conference, April 2021. (**Department of Biological Sciences Honorable Mention, Poster; Virtual Conference**)
- Pence, L. and **P.C. López-Duarte.** Activity Rhythms of Female Fiddler Crabs During Embryonic Development. National Conference on Undergraduate Research (NCUR), April 2021. (*Oral presentation; online due to COVID-19 Pandemic*)
- Pence, L. and **P.C. López-Duarte.** Activity Rhythms of Egg-bearing Fiddler Crabs. UNC Charlotte Undergraduate Research Conference, April 2020.

- Pence, L. and **P.C. López-Duarte**. Activity Rhythms of Egg-bearing Fiddler Crabs. Sigma Xi Virtual Student Scholars Symposium, May 2020. (*Accepted as one of two oral presentations in Ecology and Evolutionary Biology; online due to COVID-19 Pandemic*)
- Nelson, J. and **P.C. López-Duarte** UNC Charlotte Undergraduate Research Conference, April 2020. (*Biology Honors Thesis, Department of Biological Sciences Honorable Mention*)
- Nelson, J. and **P.C. López-Duarte**. Habitat Use Patterns of Resident Fish in Restored vs. Natural Marshes. National Conference on Undergraduate Research (NCUR), Bozeman, Montana, March 2020. (*Accepted as an oral presentation; canceled due to COVID-19 Pandemic*)
- Pence, L. and **P.C. López-Duarte**. Endogenous Rhythms in Locomotor Activity of Fiddler Crabs during the Reproductive Season UNC Charlotte Undergraduate Research Conference, July 2019
- Morin, J. and **P.C. López-Duarte**. A Comparison of Macroinvertebrate Biodiversity in Restored vs. Natural Salt Marshes. UNC Charlotte Undergraduate Research Conference, July 2019.
- Joseph, H. and **P.C. López-Duarte**. Python Use in Multi-elemental Data Automation Analysis. UNC Charlotte Undergraduate Research Conference, July 2019.
- López-Duarte, P.C.**, J. Olin, A. Benelli, M. Hernandez, O. Jensen, R. Kalvakaalva, K. Lamb, C. Martin, M. Polito, M. Shaw. Evaluating Fish Abundance and Composition in Restored vs. Natural Salt Marshes. Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans, LA. February 2019
- Parry, D. **P.C. López-Duarte**, K.W. Able, O.P. Jensen. Distinguishing juvenile striped bass habitats and spawning sites using otolith microchemistry. American Fisheries Society Meeting, Atlantic City, NJ. August 2018. (**AFS Best Poster Award**)
- Schreiber, G. **P.C. López-Duarte**, K.W. Able. Seasonality and life history of shrimp species in the Mullica River-Great Bay estuary. American Fisheries Society Meeting, Atlantic City, NJ. August 2018.
- Schneider, A., **P.C. López-Duarte**, K.W. Able. What controls the recruitment of juvenile blue crabs in Southern New Jersey? American Fisheries Society Meeting, Atlantic City, NJ. August 2018.
- López-Duarte, P.C.**, K.W. Able, F. J. Fodrie, L.M. Hooper-Bui, O.P. Jensen, J.A. Olin, C.M. Martin, M. J. Polito, B.J. Roberts, P.C. Stouffer, S. Taylor. Resolving food web structures and energetic contributions using stable isotopes and fatty acids. American Fisheries Society Meeting, Atlantic City, NJ. August 2018.
- Schneider, A., **P.C. López-Duarte**, K.W. Able. A 25-year time series analysis of juvenile blue crabs in southern New Jersey. Ocean Sciences Meeting, Portland, OR. February 2018.
- López-Duarte, P.C.**, K.W. Able, F. J. Fodrie, L.M. Hooper-Bui, O.P. Jensen, J.A. Olin, C.M. Martin, M. J. Polito, B.J. Roberts, P.C. Stouffer. Evaluating Trophic Relationships in a Saltmarsh Food Web using Stable Isotopes. Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans, LA. February 2018.
- Schneider, A., **P.C. López-Duarte**, K.W. Able. A 25-year time series analysis of juvenile blue crabs in southern New Jersey. Annual Meeting Mid-Atlantic Division of the American Fisheries Society. Dover, DE. October 2017.
- López-Duarte, P.C.**, K.W. Able, F. J. Fodrie, L. M. Hooper-Bui, O. P. Jensen, J. A. Olin, C.M. Martin, J. Pincin, M. J. Polito, B.J. Roberts, P.C. Stouffer, S. S. Taylor, S. Woltmann. Evaluating Trophic Relationships in a Saltmarsh Food Web using Stable Isotopes and Fatty Acids. Annual Meeting Mid-Atlantic Division of the American Fisheries Society. Dover, DE. October 2017.

- Schneider, A., **P.C. López-Duarte**, K. W. Able. A 25-year time series analysis of juvenile blue crabs in southern New Jersey. Research Symposium, Villanova University, Villanova, PA. September 2017.
- López-Duarte, P.C.**, K.W. Able, F.J. Fodrie, C.M. Martin, C. Noji, J. Olin, J. Pincin, M. Polito, B.J. Roberts, O. Jensen. Quantifying trophic interactions in Louisiana salt marshes by combining stomach content, stable isotope, and fatty acid approaches. Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans, LA. February 2017.
- McHaskell, D.A., **P.C. López-Duarte**. Effects of sediment grain size on settlement of juvenile horseshoe crabs. Research Initiative for Scientific Enhancement (RISE) Program Symposium. California State Polytechnic University, Pomona, CA. September, 2016.
- Zottoli, J., **P.C. López-Duarte**, K.W. Able. Nursery habitats for early-life stages of American horseshoe crabs in Great Bay-Little Egg Harbor, NJ. Ocean Sciences Meeting, New Orleans, LA. February 2016.
- López-Duarte, P.C.**, K.W. Able, F.J. Fodrie, M. McCann, S. Melara, C. Noji, J. Olin, J. Pincin, K. Plank, M. Polito, O. Jensen. Trophic interactions in Louisiana salt marshes: combining stomach content, stable isotope, and fatty acid approaches. Ocean Sciences Meeting, New Orleans, LA. February 2016.
- López-Duarte, P.C.**, K.W. Able, F.J. Fodrie, M. McCann, S. Melara, C. Noji, J. Olin, J. Pincin, K. Plank, M. Polito, O. Jensen. Estimating predator-prey relationships in Louisiana salt marshes: a combination of stomach content, stable isotope, and fatty acid analysis. Gulf of Mexico Oil Spill and Ecosystem Science Conference, Tampa, FL. February 2016.
- López-Duarte, P.C.**, F.J. Fodrie, O. Jensen, K.W. Able. Application of otolith microchemistry to understand utilization of subhabitats by salt marsh fishes. Gulf of Mexico Oil Spill and Ecosystem Science Conference, Tampa, FL. February 2016.
- López-Duarte, P.C.**, F.J. Fodrie, O. Jensen, K.W. Able. Evaluating otolith microchemistry as a method to distinguish habitat-use patterns in marsh-resident fish. Gulf of Mexico Oil Spill and Ecosystem Science Conference, Houston, TX. February 2015.
- López-Duarte, P.C.**, T.M. Grothues, R. Petrecca, K.W. Able. Habitat use by horseshoe crabs in Great Bay, NJ: new insights from a small estuary. Annual Meeting Mid-Atlantic Chapter American Fisheries Society, Lewes, DE. November 2014.
- López-Duarte, P.C.**, E.S. McGurk, D. Kreeger, G. DeBrosse, M. Neuman, and D. Bushek. Developing methods to integrate ribbed mussels into Living Shorelines: reproduction in the field and in a hatchery. National Shellfisheries Association Meetings, Jacksonville, FL. March 2014.
- López-Duarte, P.C.**, F.J. Fodrie, O. Jensen, A. Whitehead, F. Galvez, B. Dubansky, K.W. Able. Looking for evidence of oil exposure in fish otoliths: comparison with genomic and physiological responses. Gulf of Mexico Oil Spill and Ecosystem Science Conference, Mobile, AL. January 2014.
- Navara, C., **P.C. López-Duarte**, and K.W. Able. Dispersal of American horseshoe crab (*Limulus polyphemus*) larvae. Annual Meeting Mid-Atlantic Division of the American Fisheries Society. Tuckerton, NJ. November 2013.
- Valenti, J., **P.C. López-Duarte**, and K.W. Able. BP Oil Spill effects on the abundance and composition of Louisiana marsh fishes. Annual Meeting Mid-Atlantic Division of the American Fisheries Society. Tuckerton, NJ. November 2013.

- López-Duarte, P.C.**, F. J. Fodrie, O.P. Jensen, A. Whitehead, F. Galvez, B. Dubansky, K.W. Able. Can exposure to the Deepwater Horizon Oil Spill be detected in marsh fish otoliths? Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans, LA. January 2013.
- López-Duarte, P.C.**, F. J. Fodrie, O.P. Jensen, C. Filosa, S.C. Halbert, K. O'Connor, B.J. Roberts, C. Martin, K.W. Able. Oil spill effects on salt marsh fish assemblages: selection of appropriate indicator species. Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans, LA. January 2013.
- López-Duarte, P.C.**, D.A. Narváez, D.A. Kreeger, D.B. Haidvogel, and E.N. Powell. Meet me at the food court: implementing a biophysical model to test the effects of food abundance on the success of oyster larvae recruitment in Delaware Bay. National Shellfisheries Association Meetings, Seattle, WA. March 2012.
- López-Duarte P.C.**, E.E. Scarpa, D.A. Kreeger, and D. Bushek. Mussels at work: developing methods to integrate ribbed mussels into living shorelines as foundation reinforcers. National Shellfisheries Association Meetings, Seattle, WA. March 2012.
- López-Duarte P.C.**, A.A. Wenczel, I.G. Burt, E.E. Scarpa, J. Paterno, and D. Bushek. Sentinels on duty: can ribbed mussels (*Geukensia demissa*) reliably monitor *Perkinsus* spp. abundance in Delaware Bay? National Shellfisheries Association Meetings, Seattle, WA. March 2012.
- López-Duarte, P.C.**, D.A. Narváez, D.A. Kreeger, D.B. Haidvogel, and E.N. Powell. Effects of food abundance on oyster recruitment: results of a biophysical model. Benthic Ecology Meetings, Norfolk, VA. March 2012.
- López-Duarte, P.C.**, H.S. Carson, G.S. Cook, F.J. Fodrie, B.J. Becker, C. DiBacco, and L.A. Levin. What controls connectivity? an empirical, multi-species approach. Benthic Ecology Meetings, Norfolk, VA. March 2012.
- López-Duarte, P.C.**, D.A. Narváez, D.A. Kreeger, D.B. Haidvogel, and E.N. Powell. Implementing a biophysical model to test the effects of food abundance on the success of oyster larvae recruitment in Delaware Bay. Atlantic Estuarine Research Society Meetings, Cape May, NJ. March 2012.
- López-Duarte, P.C.**, C.A. Tanner, H.S. Carson, L.L. Rasmussen, and L.A. Levin. Assessing population connectivity to inform invasive species eradication and control programs. Ocean Sciences Meeting, Portland, OR. February 2010.
- López-Duarte, P.C.**, C.A. Tanner, H.S. Carson, L.L. Rasmussen, and L.A. Levin. Larval connectivity of the invasive Asian mussel, *Musculista senhousia*, in Southern California. Coastal and Estuarine Research Federation 20th Biennial Conference, Portland, OR. November 2009.
- López-Duarte, P.C.** and R.A. Tankersley. Where did you get that rhythm? Plasticity in the circatidal swimming behavior of fiddler crab larvae. Society of Integrative and Comparative Biology Meeting, Boston, MA. January 2009.
- López-Duarte, P.C.** and R.A. Tankersley. I got it from my mama! Do fiddler crab mothers communicate tidal information to their embryos during brooding? Benthic Ecology Meetings, Providence, RI. April 2008.
- López-Duarte, P.C.**, J.H. Christy, and R.A. Tankersley. How you get there depends on where you start: variation in fiddler crab larval dispersal mechanisms. Ocean Sciences Meeting, Orlando, FL. March 2008.

- López-Duarte, P.C.**, J.H. Christy, and R.A. Tankersley. Comparison of the selective tidal-stream transport behavior of fiddler crabs: test of a hypothesis. Benthic Ecology Meetings, Atlanta, GA. March 2007.
- López-Duarte, P.C.** and R.A. Tankersley. Transporte selectivo usando la corriente marea en larvas de cangrejo violinista (*Uca* spp.): comparación entre diferentes especies y regímenes mareales. STRI Presentation, Panama City, Panama. October 2006.
- López-Duarte, P.C.** and R.A. Tankersley. When in Rome...circatidal swimming behaviors of fiddler crab larvae match the local tidal regime. 7th Larval Biology Symposium, Coos Bay, OR. September 2006.
- López-Duarte, P.C.** and R.A. Tankersley. Developmental shifts in the selective tidal-stream transport behavior of larvae of the fiddler crab *Uca minax*. Annual Meeting of the Florida Academy of Sciences, Melbourne, FL. March 2006. (***Outstanding Student Paper***)
- López-Duarte, P.C.** and R.A. Tankersley. Developmental shifts in the selective tidal-stream transport behavior of larvae of the fiddler crab *Uca minax*. Ocean Sciences Meeting, Honolulu, HI. February 2006.
- López-Duarte, P.C.** and R.A. Tankersley. Endogenous swimming rhythms of fiddler crab zoeae from different tidal regimes. Society of Integrative and Comparative Biology Meeting, Orlando, FL. January 2006. (***Best Oral Presentation, Division of Invertebrate Zoology***)
- López-Duarte, P.C.** and R.A. Tankersley. Vertical migratory behavior of fiddler crab larvae from different tidal regimes. Annual Meeting of the Florida Academy of Sciences, Tampa, FL. March 2005. (***Sigma Xi award for the Best Oral Presentation***)
- López-Duarte, P.C.** and R.A. Tankersley. Vertical migratory behavior of fiddler crab larvae: comparisons among different tidal regimes. Southeastern Estuarine Research Society Regional Conference, Ft. Pierce, FL. April 2004.
- López-Duarte, P.C.** and R.A. Tankersley. Comparison of the circatidal swimming behaviors of larvae of the fiddler crab *Uca pugilator* from different tidal regimes. Benthic Ecology Meetings, March 2004.
- López-Duarte, P.C.** and R.A. Tankersley. Circatidal swimming behavior of brachyuran crab zoea larvae: Implications for ebb-tide transport. Benthic Ecology Meetings, March 2003. (***Best Student Presentation***)
- López-Duarte, P.C.** Circatidal swimming behavior of brachyuran crab zoea larvae: Implications for ebb-tide transport. TriBeta Southeastern District Convention, Washington, DC, April 2003. (***Frank G. Brooks Award for Excellence in Student Research***)

INVITED PRESENTATIONS and GUEST LECTURES

- 2023 Larval Journeys in Changing Environments. **Invited Seminar Speaker**, Department of Biology, Portland State University, Portland, OR.
- 2023 A Tale of Three Crabs: Harnessing Lunar Cycles for Recruitment Success and Transport Dynamics. **Invited Seminar Speaker**, Institute of Marine Sciences, UNC Chapel Hill, Morehead City, NC.
- 2022 Rhythms of the Seashore: Searching for Tide-Associated Pacemakers. **Invited Seminar Speaker**, Biology Colloquium, Fresno State University, Fresno, CA.

- 2019 Adaptations to Life in the Estuary: Tide-Associated Rhythms. **Invited Seminar Speaker**, Department of Biology, East Carolina University, Greenville, NC.
- 2019 Role of Bio-Physical Processes in Larval Transport, Dispersal, and Population Connectivity. **Invited Seminar Speaker**, Department of Biology and Marine Biology, UNC Wilmington, Wilmington, NC.
- 2018 Life on the Edge: Understanding Energy Transfer in Salt Marsh Food Webs. **Invited Seminar Speaker**, Environment, Ecology, and Energy Program (E3P), UNC Chapel Hill, Chapel Hill, NC.
- 2017 Using Otoliths to Track Fish in Space and Time. Rutgers Marine Science Internship for New Brunswick High School students. Rutgers University, New Brunswick, NJ.
- 2016 An interdisciplinary approach to unraveling the complexities of larval transport in estuaries. **Invited Seminar Speaker**, Department of Geography and Earth Sciences, University of North Carolina at Charlotte, Charlotte, NC.
- 2016 Horseshoe crabs. Identification of Marine Invertebrates (Instructors: Rose Petrecca and Charlotte Fuller), Tuckerton, NJ.
- 2015 Horseshoe crabs. Teachers on the Estuary (TOTE) Program. Host: Melanie Reding, Jacques Cousteau National Estuarine Research Reserve (JCNERR), Tuckerton, NJ.
- 2015 Horseshoe crabs. Identification of Marine Invertebrates (Instructors: Rose Petrecca and Charlotte Fuller), Tuckerton, NJ.
- 2014 Horseshoe crabs: the living fossils. Inside the STEM Laboratory Program, Sandy Spring Friends School, Sandy Spring, MD.
- 2014 Horseshoe Crabs: ancient residents of the Jersey Shore. Ecological Evenings Program, Jacques Cousteau National Estuarine Research Reserve (JCNERR), Tuckerton, NJ.
- 2014 Life along the edge: measuring the health of marshes with the help of fishes. Coastal Waters Family Event. DeFelice Marine Center, Louisiana Universities Marine Consortium, Chauvin, LA.
- 2013 Evaluating the effects of the 2010 BP Oil Spill in marsh fishes. Ichthyology Course (Instructor: Dr. Kenneth Able). Rutgers University Marine Station, Tuckerton, NJ.
- 2013 Selective tidal-stream transport behavior of fiddler crab larvae. Rider University, Lawrenceville, NJ.
- 2013 Responses of marsh fishes to petroleum pollution. Winter in the Estuary Course (Instructor: Kenneth Able). Rutgers University Marine Station, Tuckerton, NJ.
- 2012 Crab biology and aquaculture. Aquaculture Course (Instructors: Drs. David Bushek and Ximing Guo). Haskin Shellfish Research Laboratory, Port Norris, NJ.
- 2011 Going with the flow: selective tidal-stream transport behavior of fiddler crab (*Uca* spp.) larvae. Plankton Ecology (Instructor: Gabriela Smalley). Rider University, Lawrenceville, NJ.
- 2010 California connectivity: a tale of three mussels. Haskin Shellfish Research Laboratory, Port Norris, NJ.

- 2010 Timing is everything: role of circatidal rhythms in the selective tidal-stream transport of fiddler crab larvae. Rutgers University, New Brunswick, NJ.
- 2009 Mussel madness! Connectivity of mytilid mussel populations in southern California. Science Festival at Cabrillo National Monument, San Diego, CA.
- 2008 Selective tidal-stream transport behavior of fiddler crab (*Uca* spp.) larvae: comparisons among species and different tidal regimes. Horn Point Laboratory, Cambridge, MD.
- 2008 Selective tidal-stream transport behavior of fiddler crab (*Uca* spp.) larvae: comparisons among species and different tidal regimes. Scripps Institution of Oceanography, La Jolla, CA, May

TEACHING EXPERIENCE (Undergraduate [UG] and Graduate [G] courses noted)

Data Collection & Modelling (UG; Portland State)	Winter 2024
Introduction to Marine Science (UG; UNC Charlotte)	Spring 2022, 2023 (in-person, >70 students)
Hypothesis Testing (G; UNC Charlotte)	Fall 2019, 2021, 2022; Fall 2020 (online)
Marine Ecology (UG/G; UNC Charlotte)	Spring 2020 (hybrid); Spring 2021 (online)
Marine Ecology (UG; Florida Tech TA)	Spring 2003–2006
Invertebrate Zoology (UG; Florida Tech TA)	Fall 2003–2005
Tropical Marine Ecology (UG/G; Florida Tech TA)	Summer 2005–2006

UNDERGRADUATE RESEARCH TRAINING (UNC Charlotte unless noted NSF-REU Program at Rutgers)

Name	Program	Major, Graduation Year
Subashaya Nagarajan	BIOL 3900, SU 2023	Biology '2025
Amanda Blaufuss	BIOL 3900, SP 2023	Biology '2023
Winnie Yao	BIOL 3900, SP 2023 Honors Program, 2023-2024	Biology '2024
Isabella Balch	OUR Scholar SU 2022	Biology '2023
Kenzie McNamara	BIOL 3900, SP 2022, 2023 OUR Scholar SU 2022	Biology '2023
Isa Dimino	BIOL 3900, SP 2022	Biology '2023
Yuleny Gomez R.	Summer 2021 Internship BIOL 3900, 2021 OUR Scholar SP 2022 Honors Program, 2022-2023	Biology '2023
Ife Onasanya	NC-LSAMP REU	Public Health '2024
Brianna Joseph	SU'21 Internship	Biology '2024
Rachel Magallon	Honors Program, 2021-2022 OUR Scholar SU 2022	Biology '2022
Casey Gatrell	Honors Program, 2021-2022 SU'2021 Internship	Biology '2022
Aashiana Patel	OUR Scholar, SP, SU 2021	Biology '2022
Rebecca Lucero	BIOL 3900, 2021	Biology '2023

Kathryn Brinegar	OUR Scholar, 2020, 2022 BIOL 3900, 2021 Honors Program, 2022-2023	Biology '2023
Megan Mitchem	CRS/OUR Scholar, 2020	Biology '2021
Chris Garcia	BIOL 39000, 2020 CRS/OUR Scholar, 2020	Biology '2020
Ryan Sacchere	BIOL 3900, 2020	Biology '2020
Candis Hoskins	BIOL 3900, 2020	Biology '2020
Sherry Dijkstra	BIOL 3900, 2019	Biology '2019
Hannielle Joseph	BIOL 3900, 2019	Biology, Bioinformatics '2019
Jack Morin	BIOL 3900, 2019	Biology '2020
Leyna Pence	CRS/OUR Scholar, 2019 BIOL Honors, 2020–2021	Biology '2021
Julia Nelson	BIOL 3900, 2019 BIOL Honors, 2019–2020	Biology '2020
Melissa Hatley	BIOL 3900, 2019	Biology '2019

Name	NSF-REU	Undergraduate Institution
Dawn Parry	2017	University of Rhode Island
Alexandra Schneider	2017	Villanova University
Giselle Schreiber	2017	State University of New York - ESF
Kate Faber	2016	Carleton College
Danielle McHaskell	2016	California State Polytechnic University- Pomona
Joseph Zottoli	2015	UMass Dartmouth
Katie Plank	2015	American University
Karl Lindberg	2014	Eckerd College
Rachel Saless	2014	Rochester Institute of Technology
Jessica Valenti	2013	Stockton College
Chandler Navara	2013	Lehigh University
Kathleen O'Connor	2012	Colby-Sawyer College
Shanina Halbert	2012	Haverford College

GRADUATE COMMITTEE PARTICIPATION

Portland State University

Carey Sweeney-Ton	Biology, M.S. Program
Rosy Tanori	Biology, M.S. Program

UNC Charlotte

Caitlin BrabbleRose	Biology, Ph.D. Program (<i>committee chair</i>)
Kayli Jablonski	Biology, M.S. Program (<i>committee chair</i>)
Ruth Wright	Biology, non-thesis M.S. Program '2023 (<i>committee chair</i>)

Taylor Parker	Biology, Ph.D. Program (<i>committee chair from 2019–2021</i>)
Auston Rutledge	Biology, Ph.D. Program
Janki Bhalodi	Biology, Ph.D. Program
Hannah Justin	Biology, Ph.D. Program
Andrea Kirk	Biology, Ph.D. Program
Chelsea Wright	Biology, non-thesis M.S. Program '2022
Courtney Shrader	Biology, M.S. Program '2023
Lauren Anderson	Earth Sciences, M.S. Program '2022
Courtney Samuels	Biology, M.S. Program '2022
Sarah Estvander	Biology, M.S. Program '2023
Quinton Krueger	Biology, Ph.D. Program '2022
Denise Furr	Biology, Ph.D. Program '2023
Remi Ketchum	Biology, Ph.D. Program '2022
Amy Klock	Biology, M.S. Program '2020
Tyler Carrier	Biology, Ph.D. program '2020
Whitney Leech	Biology, Ph.D. Program '2019

Rutgers University

Jessica Valenti	Oceanography, Ph.D. Program '2020
Joe Caracappa	Oceanography, Ph.D. Program '2019
Anthony Vastano	Oceanography, M.S. Program '2016

SPECIAL PROGRAMS and SERVICE

2024	<i>Participant</i>	NASEM Inclusive and Equitable Ocean Workshop
2022–2023	<i>Guest Editor</i>	Frontiers in Environmental Science
2021–2023	<i>Participant</i>	UNC Charlotte STEM Academy
2021–2023	<i>Moderator, Judge</i>	UNC Charlotte Undergraduate Research Symposium
2021–2023	<i>Faculty Advisor</i>	Biology Graduate Outreach (BGO)
2021–2026	<i>Honors Faculty</i>	UNC Charlotte Honors College
2021–2026	<i>Member</i>	UNC Charlotte Graduate Faculty
2022–2023	<i>Chair</i>	CLAS Race & Social Justice Undergraduate Student Success Working Group
2021–2022	<i>Member</i>	CLAS Race & Social Justice Undergraduate Student Success Working Group
2021–2023	<i>Member</i>	DBS Diversity, Equity, and Inclusion (DEI) Committee
2020–2021	<i>Co-Chair</i>	DBS Diversity, Equity, and Inclusion (DEI) Committee
2020–2023	<i>Faculty Advisor</i>	SACNAS Charlotte Chapter
2020–2023	<i>Mentor Judge</i>	SACNAS National Diversity in STEM Conference
2020–2021	<i>Member</i>	DBS Advisory Committee
2019–2021	<i>Member</i>	DBS Undergraduate Committee

2019	<i>Session Chair</i>	Gulf of Mexico Oil Spill and Ecosystem Conference, New Orleans, LA
2019	<i>Fellow</i>	Catalyst Program, UNC Charlotte
2018	<i>Participant</i>	NSF Coastlines and People Scoping Workshop
2018	<i>Session Chair</i>	American Fisheries Society Meeting, Atlantic City, NJ
2016–	<i>Panelist</i>	NSF Proposal Reviewer 2016, 2018, 2020, 2022, 2023
2014–	<i>Ad hoc Reviewer</i>	NSF Proposal Reviewer 2014, 2016, 2018
2015–2016	<i>Participant</i>	Rutgers Connection Network Faculty Mentoring Program
2014–2016	<i>Member</i>	Steering Committee, COSEE Ocean180 Video Challenge
2012–2018	<i>Instructor</i>	Boot Camps for Scientists, LLC
2015, 2021	<i>Participant</i>	Faculty Success Program, NCFDD
2012–2017	<i>Mentor</i>	Research Internships in Ocean Sciences (RIOS), Rutgers NSF-REU Program
2014–2015	<i>Participant</i>	Rutgers OASIS Leadership Development Program
2014	<i>Moderator</i>	National Ocean Science Bowl, competition hosted by Rutgers University
2008–2010	<i>Member</i>	Grassroots Diversity Working Action Group, Scripps Institution of Oceanography, La Jolla, CA

PROFESSIONAL AFFILIATIONS

American Fisheries Society

American Society of Limnology and Oceanography

Coastal and Estuarine Research Federation

Phi Beta Delta Honor Society for International Scholars

Phi Kappa Phi Honor Society (inducted 2022)

SACNAS – Society for Advancement of Chicanos/Hispanics and Native Americans in Science

Sigma Xi Scientific Research Society (inducted 2004)

Society for Integrative and Comparative Biology (SICB)

TriBeta Biological Honor Society (Undergraduate Student)

LANGUAGES

Fluent in English and Spanish