

NICOLE M. PHILLIPS, Ph.D.

Dauphin Island Sea Lab
101 Bienville Boulevard • Dauphin Island, Alabama 36528
Contact: 1-251-861-2141 Ext. 7553 • nphillips@disl.org
Citizenship: USA & Australia
Professional Profiles: [Google Scholar](#) [ResearchGate](#) [EBird](#)

EDUCATION

2012	Ph.D., Marine Science, Centre for Fish and Fisheries Research, Murdoch University, Australia
2006	BSc (Hon) 1 st Class, Marine Science, Murdoch University, Australia
2005	BSc Biological Sciences, Murdoch University, Australia
2005	BSc Marine Science, Murdoch University, Australia

PROFESSIONAL APPOINTMENTS

2026 – present	Senior Marine Scientist II, Dauphin Island Sea Lab, Dauphin Island, Alabama, USA
2026 – present	Associate Professor, Stokes School of Marine and Environmental Sciences, University of Alabama
2021 – 2026	Associate Professor, School of Biological, Environmental, and Earth Sciences, The University of Southern Mississippi, USA
2015 – 2021	Assistant Professor, School of Biological, Environmental, and Earth Sciences, The University of Southern Mississippi, USA
2012 – 2015	Postdoctoral Research Fellow, Cooperative Institute for Marine and Atmospheric Studies, Rosenstiel School of Marine and Atmospheric Science, University of Miami; Based at NOAA Fisheries Service, Lafayette, Louisiana, USA

TEACHING EXPERIENCE

2015 – 2026	The University of Southern Mississippi Marine Biology & Lab; undergraduate (9 semesters) Marine Ecology & Lab; undergraduate & graduate (6 semesters) Tropical Ecology in Belize; undergraduate & graduate (6 semesters) Coastal and Marine Management; undergraduate & graduate (4 semesters) Avian Biology & Lab; undergraduate & graduate (1 semester) Senior Practicum; undergraduate (2 semesters) General Zoology; undergraduate (1 semester) Biology Seminar; graduate (2 semesters)
2005 – 2011	Murdoch University Genetics; undergraduate (8 semesters; TA, Lecturer) Introduction to Marine Biology; undergraduate (4 semesters, Instructor) Cell Biology; undergraduate (5 semesters, TA)

PEER-REVIEWED PUBLICATIONS

[†]undergraduate student, *graduate student, **postdoctoral fellow under Phillips' advisement

33. Von Eiff C, **Phillips NM**, Poulakis G, Jarva T, Flynt A (In revision) Unexpected development: genetic basis of male ovotestes in a Critically Endangered marine elasmobranch. *iScience*. First decision major revision August 2026.
32. Huerta-Beltrán BL*, Pearson L, Humphreys EM*, Weber HK*, Lehman RN*, Gordon M, Ligon D, Kemper C[†], Krohn A, Nelson H, Dias PJ**, Coleman LM[†], Faulkner K[†], Qualls CP, **Phillips NM** (In press) Environmental DNA surveys suggest local extinction of the Western Chicken Turtle (*Deirochelys reticularia miaria*) in Mississippi. *Ichthyology and Herpetology*.
31. Fearing A*, Smith KL, Feldheim KA, Moore ABM, Charvet P, Cruz V, Cooper M, Davies C, Gentry A[†], Gordon C, Huerta-Beltrán BL*, Kemper C[†], McDavitt MT, Oliviera C, Ricks H[†], Taylor SS, Wiley TR, Wueringer BE, Kyne PM, **Phillips NM** (2026) The secret of the saws: historical DNA analysis reveals global genetic diversity loss in a highly threatened aquatic species. *Proceedings of the Royal Society B: Biological Sciences* 293: 20261044. IF: 3.6. <https://doi.org/10.1098/rspb.2026.1044>
30. Cubillos-M JC, Fearing A*, Chapman D, Kyne PM, Dias PJ**, Gonzalez C, Lehman RN*, Chichaco Y, Huerta-Beltrán BL*, McCulloch KL*, Toepfer S[†], Carlson JK, **Phillips NM** (2026) One assay to rule them all: development of a global environmental DNA tool to support range-wide surveys of an imperiled sawfish and its application in the Eastern Tropical Pacific. *Ecology and Evolution* 16: e73733. IF: 2.3. <https://doi.org/10.1002/ece3.73733>
29. Huerta-Beltrán BL*, Zhao H, Mills S, Berry J, Janous W, Ervin J, Butler K, Kalluru A, Valerio F, Fritz V, Stefano B, Selby T, **Phillips NM**, Everman S, Rosser G, Hobbs C, Bradbury RS, Hearst S. (2025) Zoonotic *Baylisascaris procyonis* infection in racoons, Mississippi, USA, 2023-2024. *Emerging Infectious Disease* 31(10): 2013-2016. IF: 7.2. <https://doi.org/10.3201/eid3110.250658>
28. Amini S, Feutry P, **Phillips NM**, Kyne PK (2025) A review of the utility and application of relatedness and kinship in elasmobranchs. *Reviews in Fish Biology and Fisheries* 35:1801-1828. IF: 5.9. <https://doi.org/10.1007/s11160-025-09983-2>
27. Daun N, Fearing A*, Lehman RN*, Gauci CL*, Hansen M[†], Jones JD[†], Toepfer SM[†], Huerta-Beltrán BL*, Humphreys EM[†], Schaefer JF, **Phillips NM** (2025) Rare or rarely sampled? Electrofishing and environmental DNA surveys of the imperiled freckled darter *Percina lenticula* Richards & Knapp, 1964. *Aquatic Conservation: Marine and Freshwater Ecosystems* 35: e70165. IF: 2.2. <https://doi.org/10.1002/aqc.70165>
26. Huerta-Beltrán BL*, Drymon JM, Jargowsky AE, Kyne PM, **Phillips NM** (2025) The invisible trade of imperiled guitarfishes. *Conservation Biology* 39: e70087. IF: 5.5. <https://doi.org/10.1111/cobi.70087>
25. Dias PJ**, Lehman RN*, Huerta-Beltrán BL*, Wheeler A, Drymon JM, Hightower CL, Heise J, Switzer TS, Rhode C, Albins M, Powers SP, **Phillips NM** (2025) A novel ddPCR assay for eDNA detection and quantification of Greater Amberjack *Seriola dumerilli* and three congeners in US waters: challenges and application to fisheries independent surveys. *PeerJ* 13: e18778. IF: 2.7. <https://doi.org/10.7717/peerj.18778>

24. Fearing A*, Faulkner K[†], Smith P[†], Humbrecht E[†], Kyne PM, Feldheim KA, Moore ABM, Brink A, McDavitt MT, Smith KL, Whitty JM, Wiley TR, Wueringer BE, **Phillips NM** (2025) Assessing confidence in zoological specimen collection metadata for use in scientific studies. *Journal for Nature Conservation* 84: 126815. IF: 2.2. <https://doi.org/10.1016/j.jnc.2024.126815>
23. Ingelbrecht J, Bateman RL, Fazeldean T, Lear KO, Lee T, Lymbery AJ, McAuley RB, **Phillips NM**, Whitty JM, Wueringer BE, Morgan DL (2024) Evidence of long-distance movement of green sawfish (*Pristis zijsron*) in Western Australia. *Marine and Freshwater Research* 75: MF24154. IF: 1.8. <https://doi.org/10.1071/MF24154>
22. Bravo S, Zarate P, Cari I, Clavijo L, Lopez I, **Phillips NM**, Vidal R (2024) Comparative tissue identification and characterization of long non-coding RNAs in the globally distributed blue shark *Prionace glauca*. *Life* 14: 1144. IF 3.2. <https://doi.org/10.3390/life14091144>
21. Ingelbrecht J, Lear KO, **Phillips NM**, Wueringer BE, Lymbery AJ, Norman BM, Morgan DL (2024) Kinship assessment and insights into reproductive behaviour of Critically Endangered green sawfish *Pristis zijsron* in Western Australia. *Aquatic Conservation: Marine and Freshwater Ecosystems* 34: e4213. IF: 2.771. <https://doi.org/10.1002/aqc.4213>
20. Ajemian MJ, Hampton C, Coleman LM[†], Jones CM, Pitt J, Smith SR, **Phillips NM** (2024) Recent expansion of the Atlantic Cownose Ray (*Rhinoptera bonasus*) into Bermudian waters. *Frontiers in Fish Science* 2: e1394011. <https://doi.org/10.3389/frish.2024.1394011>
19. Jarva TM, **Phillips NM**, Von Eiff C, Poulakis GR, Naylor GJP, Felheim KA, Flynt AS (2024) Gene expression and evolution in the Smalltooth Sawfish, *Pristis pectinata*. *Ecology and Evolution* 14: e11260. IF: 2.91. <https://doi.org/10.1002/ece3.11260>
18. Smith KL, Fearing A*, **Phillips NM**, Kroetz AM, Wiley TR, Carlson JK, Taylor SS (2024). Historical specimens and photographs reveal changes in U.S. Smalltooth Sawfish (*Pristis pectinata*) maximum size and age class distribution over time. *Aquatic Conservation: Marine and Freshwater Ecosystems* 34(2): e4084. IF: 2.771. <https://doi.org/10.1002/aqc.4084>
17. Devloo-Delva F, Burridge CP, Kyne PM, Brunnschweiler JM, Chapman DD, Charvet P, Chen X, Cliff G, Daly R, Drymon JM, Espinoza M, Fernando D, Barcia LG, Glaus K, Garza B, Grant MI, Gunasekera RM, Hernandez SI, Hyodo S, Jabado RW, Jaquemet S, Johnson G, Ketchum JT, Magalon H, Marthick JR, Mollen FH, Mona S, Naylor GJP, Nevill JEG, **Phillips NM**, Pillans RD, Postaire BD, Smoothey AF, Tachihara K, Tillet BJ, Valerio Vargas JA, Feutry P (2023) From rivers to ocean basins: the role of ocean barriers and philopatry in the genetic structuring of a cosmopolitan coastal predator. *Ecology and Evolution* 13(2): e9837. IF: 2.91. <https://doi.org/10.1002/ece3.9837>
16. Lehman RN*, Poulakis GR, Scharer RM, Hendon JM, Court AG, Wooley AK, Williams AM[†], **Phillips NM** (2022) Environmental DNA evidence of the Critically Endangered Smalltooth Sawfish, *Pristis pectinata*, in historically occupied habitats in United States waters. *Aquatic Conservation: Marine and Freshwater Ecosystems* 32: 42-54. IF: 2.771. <https://doi.org/10.1002/aqc.3721>
15. **Phillips NM**, Delvoo-Delva F, McCall C, Daly-Engel TS (2021). Reviewing the genetic evidence for sex-biased dispersal in elasmobranchs. *Reviews in Fish Biology and Fisheries* 31: 821-841. IF: 6.845. <https://doi.org/10.1007/s11160-021-09673-9>
14. Drymon JM, Schweiss KE*, Seubert EA, Lehman RN*, Daly-Engel TS, Pfleger M, **Phillips NM** (2021) Swimming against the flow-Environmental DNA can detect bull sharks (*Carcharhinus*

- leucas*) across a dynamic deltaic interface. *Ecology and Evolution* 11: 22-28. IF: 2.91. <https://doi.org/10.1002/ece3.7101>
13. Weber HK*, Jones CM, Ajemian MJ, McCallister MP, Winner BL, Poulakis GR, Hollensead LD, Zapf D, Swenson JD, Hendon JM, Daly-Engel TS, **Phillips NM** (2021) Genetic evidence supports a range extension of the Brazilian cownose ray, *Rhinoptera brasiliensis*, in the western North Atlantic. *Journal of Fish Biology* 98: 577-582. IF: 2.038. <https://doi.org/10.1111/jfb.14582>
 12. Lehman RN*, Poulakis GR, Scharer RM, Schweiss KE*, Hendon JM, **Phillips NM** (2020) Environmental DNA tool for monitoring the status of the Critically Endangered Smalltooth Sawfish, *Pristis pectinata*, in the Western Atlantic. *Conservation Genetics Resources* 12: 621-629. IF: 1.154. <https://doi.org/10.1007/s12686-020-01149-5>
 11. Schweiss KE*, Lehman RN*, Drymon JM & **Phillips NM** (2020) Development of highly sensitive environmental DNA methods for the detection of Bull Sharks, *Carcharhinus leucas*, using Droplet Digital PCR. *Environmental DNA* 2: 3-12. IF: 4.545. <https://doi.org/10.1002/edn3.39>
 10. Larson S, Daly-Engel TS & **Phillips NM** (2017) Review of current genetic analysis of Northeast Pacific sharks and conservation implications. In: Northeast Pacific Shark Biology, Research and Conservation. *Advances in Marine Biology* 77:79-110. IF: 2.308. <https://doi.org/10.1016/bs.amb.2017.06.005>
 9. **Phillips NM**, Fearing AM* & Morgan DL (2017) Genetic bottlenecks in *Pristis* sawfishes in northern Australian waters. *Endangered Species Research* 32: 363-372. IF: 2.258. <https://doi.org/10.3354/esr00815>
 8. **Phillips NM**, Chaplin JA, Peverell SC & Morgan DL (2017) Contrasting population structures of three *Pristis* sawfishes with different patterns of habitat use. *Marine and Freshwater Research* 68: 452-460. IF: 1.859. <https://doi.org/10.1071/MF15427>
 7. **Phillips NM** & Rosel PE (2014) A method for prioritizing research on common bottlenose dolphin stocks through evaluation of threats and data availability: development and application to bay, sound and estuary stocks in Texas. NOAA Technical Memorandum NMFS-SEFSC-665, 146 p. <https://repository.library.noaa.gov/view/noaa/4811>
 6. Whitty J, **Phillips N**, Morgan D, Peverell S, McAuley R, Field I, Thorburn D & Simpfendorfer C (2014) Utility of rostra for the identification of Australian sawfishes. *Aquatic Conservation: Marine and Freshwater Ecosystems* 24: 791-804. IF: 2.136. <https://doi.org/10.1002/aqc.2398>
 5. Gardner MJ, Chaplin JA & **Phillips NM** (2014) Isolation and characterization of novel microsatellite markers from *Pagrus auratus* and cross amplification in another sparid. *Conservation Genetics Resources* 6: 155-157. IF: 1.172. <https://doi.org/10.1007/s12686-013-0031-5>
 4. Gardner MJ, Cottingham A, Hesp SA, Chaplin JA, Jenkins GI, **Phillips NM** & Potter IC (2013) Biological and genetic characteristics of restocked and wild *Acanthopagrus butcheri* (Sparidae) in a southwestern Australian estuary. *Reviews in Fisheries Science* 21: 441-453. IF 2.368. <https://doi.org/10.1080/10641262.2013.796804>
 3. **Phillips NM**, Chaplin JA, Morgan DL & Peverell SC (2011) Population genetic structure and genetic diversity of three critically endangered *Pristis* sawfishes in Australian waters. *Marine Biology* 158(4): 903-915. IF: 2.043. <https://doi.org/10.1007/s00227-010-1617-z>

2. Morgan DL, Whitty JM, **Phillips NM**, Thorburn DC, Chaplin JA & McAuley R (2011) North-western Australia as a hotspot for endangered elasmobranchs with particular reference to sawfishes and the Northern River Shark. *Journal of the Royal Society of Western Australia* 94: 345-358. IF: 0.91
1. **Phillips N**, Chaplin J, Morgan D & Peverell S (2009) Extraction and amplification of DNA from the dried rostra of sawfishes (Pristidae) for applications in conservation genetics. *Pacific Conservation Biology* 15(2): 128-134. IF: 1.30. <https://doi.org/10.1071/PC090128>

EXTERNALLY FUNDED GRANTS

*graduate student

- 2026–2027. *Environmental DNA analysis for Smalltooth Sawfish and Green Sea Turtle*. U.S. Naval Undersea Warfare Center, U.S. Department of Defense. **Phillips NM (PI)**, \$54,390
- 2026–2027. *Sawfish in Guinea-Bissau*. Save Our Seas Foundation. McCulloch K (PI)*, **Phillips NM (Co-PI)**, \$7,900
- 2026–2027. *Use of traditional sampling and environmental DNA to aid in the monitoring and recovery of Alabama Shad (*Alosa alabamiae*) in Mississippi*. Mississippi Department of Wildlife, Fisheries, and Parks. Schaefer J (PI), **Phillips NM (Co-PI)**, \$54,200
- 2025–2027. *Development and validation of eDNA methodology for the Dusky Gopher Frog*. Mississippi Department of Wildlife, Fisheries, and Parks. **Phillips NM (PI)**. \$61,765
- 2025–2027. NSF Research Experience for Undergraduates: *Gulf Coastal Plain Ecology*. National Science Foundation Alford MH (PI), Baudier KM (Co-PI), **Phillips NM (Supporting)**, and 9 other Supporting. \$422,391
- 2024–2025. *In pursuit of the Largetooth Sawfish along the western coast of Panama*. Moore Charitable Foundation. **Phillips NM (PI)**, Leray M (co-PI), Chapman D (Co-PI), Carlson JK (Co-PI). \$50,000
- 2024–2025. *Searching for sawfish in northern Peru*. Save Our Seas Foundation. Mendoza Pfenning (PI), Adrian Feldman (co-PI), **Phillips NM (Co-PI)**. \$6,107
- 2023–2025. *eDNA surveys for the Eastern Hellbenders (*Cryptobranchus alleganiensis*) in Tishomingo County, Mississippi*. Mississippi Department of Wildlife, Fisheries, and Parks. **Phillips NM (PI)**, Selman W (Co-PI). \$51,841
- 2023–2024. *Comprehensive eDNA surveys for the Western Chicken Turtle (*Deirochelys reticularia miaria*) in Western Mississippi*. Mississippi Department of Wildlife, Fisheries, and Parks. **Phillips NM (PI)**. \$48,000
- 2023–2024. *The devil is in the details – molecular identification of guitarfishes sold as “pez diablo”*. Save Our Seas Foundation. Huerta-Beltrán BL (PI)*, **Phillips NM (Co-PI)**. \$4,236
- 2022–2023. *Validation of the presence of sawfish and other endangered elasmobranchs in Panama*. Moore Charitable Foundation. **Phillips NM (PI)**, Chapman D (Co-PI), Carlson JK (Co-PI). \$59,500
- 2022–2023. *eDNA surveys for the petitioned Western Chicken Turtle (*Deirochelys reticularia miaria*) in Western Mississippi*. Mississippi Department of Wildlife, Fisheries, and Parks. **Phillips NM (PI)**, Pearson L (Co-PI), Qualls CP (Co-PI). \$48,358

- 2021–2025. *Monitoring and predicting responses of a sentinel marine megafauna to climate change and implications for the tropicalization of the northern Gulf of Mexico*. Alabama Center of Excellence. Carmichael R (PI), Cloyed C (Co-PI), Dzwonkowski B (Co-PI), **Phillips NM (Co-PI)**, Powell J (Co-PI). \$496,985
- 2021–2022. *Seining, eDNA, and larvae survey for Pearl Darter (*Percina aurora*) in the Pearl River and historically undersampled areas of the Pascagoula Basin*. Mississippi Department of Wildlife, Fisheries, and Parks. Schaefer JF (PI), **Phillips NM (Co-PI)**. \$55,293
- 2021–2025. *Greater Amberjack (*Seriola dumerili*) Research to Determine Abundance Estimates by Habitat Type, Distribution, and Movement in U.S. Waters in the South Atlantic and Gulf of Mexico Regions*. NOAA - Mississippi-Alabama SeaGrant Consortium. Powers S (PI), Albins M (Co-PI), Hoenig J (Co-PI), Chiu G (Co-PI), Stokes L (Co-PI), Boswell K (Co-PI), Murawski S (Co-PI), Saillant E (Co-PI), **Phillips NM (Co-PI)**, and 11 other Co-PIs. \$9,000,000
- 2021–2022. *Coastal Restoration - Seining, eDNA, and larvae survey for Pearl Darter (*Percina aurora*) in the Pearl River and historically undersampled areas of the Pascagoula Basin*. U.S. Fish & Wildlife Service. Schaefer JF (PI), **Phillips NM (Co-PI)**. \$42,000
- 2021–2023. *Environmental DNA surveys for Piebald Madtom, *Noturus gladiator*, in Mississippi*. Mississippi Department of Wildlife, Fisheries, and Parks. **Phillips NM (PI)**, Schaefer JF (Co-PI). \$50,877
- 2021–2026. *Clown Wedgefish eDNA surveys in Indonesia*. Save Our Seas Foundation. Kyne PM (PI), **Phillips NM (Co-PI)**. \$59,525
- 2020–2022. *Survey of Pearl and Pascagoula Drainages for Freckled Darter*. Mississippi Department of Wildlife, Fisheries, and Parks. **Phillips NM (PI)**, Schaefer JF (Co-PI). \$46,336
- 2018–2020. *Smalltooth sawfish genome project*. NOAA Fisheries. **Phillips NM (PI)**, Flynt AS (Co-PI), Feldheim KA (Co-PI). \$23,609
- 2018–2020. *Sawfish eDNA USA*. Save Our Seas Foundation. **Phillips NM (PI)**. \$9,409
- 2018–2019. *Saw Search: old saws shed new light in sawfish conservation*. Shark Conservation Fund. **Phillips NM (PI)**. \$23,733
- 2017–2021. *Comparison of levels of genetic diversity in historic and contemporary sawfish populations*. Save Our Seas Foundation. **Phillips NM (PI)**. \$30,900
- 2008–2009. *Freshwater Sawfish (*Pristis microdon*) movements and population demographics in the Fitzroy River, Western Australia and genetic analysis of *P. microdon* and *Pristis zijsron**. Australian Government Department of the Environment. Morgan DL (PI), Whitty JM (Co-PI), Chaplin JA (Co-PI), **Phillips NM (Co-PI)**, Thorburn DC (Co-PI), Peverell SC (Co-PI). \$48,000
- 2007–2008. *Habitat associations of Freshwater Sawfish (*Pristis microdon*) and Northern River Sharks (*Glyphis sp. C*): including genetic analysis of *P. microdon* across northern Australia*. Australian Government Department of the Environment. Morgan DL (PI), Thorburn DC (Co-PI), Chaplin JA (Co-PI), **Phillips NM (Co-PI)**, Peverell SC (Co-PI). \$87,000

SUBMITTED GRANTS

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| 2026 | Disney Conservation Fund (Co-PI), \$50,000 (pending decision) |
| 2026 | Save Our Seas Foundation (Co-PI), \$66,685 (pending decision) |
| 2025 | Louisiana Department of Wildlife and Fisheries (Co-PI), \$60,783 |

2025	NSF Mid-Career Advancement Award (PI), \$273,136
2024	NOAA National Marine Fisheries Service (CoPI), \$147,398
2022	NOAA National Marine Fisheries Service (CoPI), \$146,629
2022	National Science Foundation REU (Supporting), \$395,229
2022	Shark Conservation Fund (PI), \$24,931
2022	Shark Conservation Fund (CoPI), \$24,955
2022	Mohammed bin Zayed Species Conservation Fund (PI), \$23,595
2021	National Science Foundation REU (Supporting), \$404,088
2020	National Science Foundation REU (Supporting), \$404,088
2020	U.S. Fish & Wildlife Service (PI), \$71,058
2020	Disney Conservation Fund (CoPI), \$49,822
2020	USM College of Arts and Science Seed Grant (PI), \$4,800
2019	National Science Foundation REU (Supporting), \$404,007
2019	U.S. Fish & Wildlife Service (PI), \$45,324
2019	Mohammed bin Zayed Species Conservation Fund (PI), \$25,094
2019	Mississippi Tidelands (PI), \$48,343
2018	USM College of Arts and Science Seed Grant (PI), \$3,400
2018	Mohammed bin Zayed Species Conservation Fund (PI), \$19,432
2018	National Geographic Species Recovery (PI), \$21,310
2018	Mississippi Tidelands (PI), \$48,494
2018	Gulf Research Program Early-Career Research Fellowship, \$76,000
2017	National Geographic Standard Grant (PI), \$28,708
2017	Gulf Star Gulf of Mexico Alliance (Co-PI), \$78,488
2017	Gulf Research Program Early-Career Research Fellowship, \$76,000

CONFERENCE, SYMPOSIA, & WORKSHOP PRESENTATIONS

†undergraduate student, *graduate student, **postdoctoral fellow under Phillips' advisement; presenter underlined

63. Fearing A*, Smith KL, Feldheim KA, Kreiser B, Moore ABM, Charvet P, Cruz V, Cooper M, Davies C, Gordon C, McDavitt MT, Oliviera C, Ricks H[†], Whitty JM, Wiley TR, Wueringer BE, Kyne PM, **Phillips NM** (2026) The secret of the saws: historical DNA analysis reveals global genetic diversity loss in a highly threatened aquatic species. 8-12th July, Joint meeting of Ichthyologists and Herpetologists, New Orleans, Louisiana, USA
62. Harward AA[†], Lehman RN*, Huerta Beltrán BL*, Carlson JK, **Phillips NM** (2026) Using eDNA to assess the presence of the Critically Endangered Smalltooth Sawfish (*Pristis pectinata*) in the Florida panhandle. 8-12th July, Joint meeting of Ichthyologists and Herpetologists, New Orleans, Louisiana, USA
61. McCulloch KL*, Simeon BM, Humphreys EM*, Pratomo A, Zamalludin, Sari TEY, Pabeta H, Tania M, Huerta Beltrán BL*, Prasetyo A, Cardenosa D, Hanna J, Jungers HT, Kyne PM, **Phillips NM** (2026) Searching the shallows: applying a highly sensitive eDNA method for a rare rhino ray. 4-8th May, Sharks International, Colombo, Sri Lanka
60. **Phillips NM**, Chichaco Y, Fearing A*, Cubillos-M. JC, Mendoza Pfennig A, Carlson JK, Chapman DD, Ulibarri S, Velarde Garcia FA, Feldman A, Kyne PM, Gonzalez C, Dias PJ**, Lehman RN*, Huerta-Beltrán BL*, Toepfer SM[†], Leray M (2025) Searching for the elusive Largetooth

Sawfish *Pristis pristis* in the Eastern Pacific Ocean. 9-13th July, Joint meeting of Ichthyologists and Herpetologists, St. Paul, Minnesota, USA

59. Chichao Y, Quintero H, **Phillips N**, Leray M (2025) Searching for the elusive Largetooth Sawfish (*Pristis pristis*) in the Pacific of the Panama coast. 61st Annual Meeting of the Association for Tropical Biology and Conservation, 29th June-4th July, Oaxaca, Mexico
58. Reque J, Quintero H, Chichaco Y, Wilkins L, Arriatti Y, Guadalup Ali V, Dominguez O, Lacayo M, **Phillips N**, Zanella I, Leray M (2025) Using eDNA to map elasmobranch distribution in mangroves and estuaries in the Tropical Eastern Pacific. 61st Annual Meeting of the Association for Tropical Biology and Conservation, 29th June-4th July, Oaxaca, Mexico
57. Leray M, Chichaco Y, Wilkins L, Rodriguez-Arriati Y, Ali V, Reque J, Dominguez O, Lacayo M, **Phillips N**, Zanella I, Quintero H (2025) Tracking sharks and rays in continental estuaries of Central America: using eDNA to inform conservation in the Eastern Tropical Pacific. 3-6th June, One Ocean Science Congress, Nice, France
56. Fearing A*, Charvet P, Paes V, Oliveira C, Faria V, **Phillips NM** (2024) From curiosities to conservation: using genetic data from historic sawfish rostra to conserve sawfish in Brazil. International Congress of the Brazilian Genetics Society, August, São Paulo, Brazil
55. Huerta Beltrán BL*, Drymon JM, Kyne PM, Cevallos-Garcias A, Campos-León S, Lyons K, Seitz JC, Zavalaga F, Jones CM, Kanagusuku K, Gibson MR, **Phillips NM** (2024) The devil is in the details – molecular identification of guitarfishes sold as ‘pez diablo’. Joint meeting of Ichthyologists and Herpetologists, 10-14th July, Pittsburgh, Pennsylvania, USA
54. Huerta Beltrán BL*, Pearson L, Dias PJ**, Humphreys EM*, Weber HK*, Lehman RN*, Faulkner K†, Coleman L†, Qualls CP, **Phillips NM** (2024) Environmental DNA surveys for the petitioned Western Chicken Turtle (*Deirochelys reticularia miaria*) in Western Mississippi. Joint meeting of Ichthyologists and Herpetologists, 10-14th July, Pittsburgh, Pennsylvania, USA
53. Valerio F, Leach C, Ervin J, Mills S, Janous W, Butler K, Berry J, Sinclair M, Nwaiwu C, Hooker W, Alfonso J, Fernandez X, Armstrong C, Cevallos A, Kazery J, **Phillips N**, Everman S, Selby T, Hearts S (2024) Take me down to parasite city where the fish are infected in the Mississippi. American Chemistry Society Meeting, 17th-21st March, New Orleans, Louisiana, USA
52. **Phillips NM**, Lehman RN*, Humphreys EM*, Fearing A*, Hendon JM, Carlson JK, Carmicheal RH, Poulakis GR (2023) Integrating environmental DNA tools into protected species management. NOAA Protected Species Assessment Workshop III, 28th – 30th March, Miami, Florida, USA
51. Humphreys EM*, Fearing A*, Buford K, Cwikla J, **Phillips NM** (2023) Developing and implementing outreach materials for STEM education on sea turtles. Southeast Regional Sea Turtle Conference, 28th February – 2nd March, Orange Beach, Alabama, USA
50. Powers SP, Boswell K, Buckel J, Catalano M, Chui G, Dance M, Drymon JM, Hoenig J, Midway S, Murawski S, **Phillips NM**, Rooker J, Saillant E, Stokes L, Stunz G, Switzer T, Wells D (2023) The Greater Amberjack Count: an overview. Alabama Mississippi Bays and Bayous Symposium, 24th – 25th January, Mobile, Alabama, USA
49. Daun N, **Phillips NM**, Fearing A*, Gauci CL*, Lehman RN*, Schaefer JF (2022) Assessment of Freckled Darter (*Percina lenticula*) status in the Pascagoula and Pearl drainages in

Mississippi. Southeast Fishes Council Conference, 17th- 18th November, Athens, Georgia, USA

48. Lehman RN*, Humphreys EM*, Schaefer JF, Clark SR, Gauci CL*, Daun N, Toepfer S[†], Kreiser BK, **Phillips NM** (2022) Environmental DNA surveys for the Endangered Pearl Darter, *Percina aurora*, in the Pearl and Pascagoula rivers in Mississippi. Southeast Fishes Council Conference, 17th- 18th November, Athens, Georgia, USA
47. **Phillips NM**, Lehman RN*, Hendon JM, Toepfer S[†], Huerta Beltrán BL*, Drymon JM (2022) Using environmental DNA to fill data gaps for elusive marine species. Gulf and Caribbean Fisheries Institute Conference, 7th – 11th November, Fort Walton, Florida, USA
46. Humphreys EM*, Fearing A*, Buford K, Cwikla J, Smith K, **Phillips NM** (2022) Reeling in the public's attention: using gulf species for genetic education. Gulf and Caribbean Fisheries Institute Conference, 7th – 11th November, Fort Walton, Florida, USA
45. Dias PJ**, Lehman RN*, Huerta Beltrán BL*, Drymon JM, Powers S, **Phillips NM** (2022) Development of a multiplex species-specific ddPCR assay for detection and quantification of Greater Amberjack, *Seriola dumerilli*, and three congeners in the Gulf of Mexico and southeast Florida. Gulf and Caribbean Fisheries Institute Conference, 7th – 11th November, Fort Walton, Florida, USA
44. Huerta Beltrán BL*, Drymon JM, Kyne PM, **Phillips NM** (2022) The devil is in the details – molecular identification of guitarfishes sold as “pez diablo”. Gulf and Caribbean Fisheries Institute Conference, 7th – 11th November, Fort Walton, Florida, USA
43. Devloo-Delva E, Burrridge CP, Kyne PM, Brunnschweiler JM, Chapman DD, Charvet P, Chen X, Cliff G, Daly R, Drymon JM, Espinoza M, Fernando D, Barcia LG, Glaus K, Gonzalez Garza BI, Grant MI, Gunasekera RM, Hernandez SI, Hyodo S, Jabado RW, Jaquemet S, Johnson G, Ketchum JT, Magalon H, Marthick JR, Mollen FH, Mona S, Naylor GJP, Nevill J, **Phillips NM**, Pillans RD, Postaire BD, Smoothey AF, Tachihara K, Tillet BJ, Valerio-Vargas JA, Feutry P (2022) From rivers to ocean basins – global population structure of the bull shark. Sharks International, 20th – 23rd October, Valencia, Spain
42. Fearing A*, Villemarette E[†], Peter KM, Feldheim KA, Moore ABM, Downing N, Smith KL, Whitty JM, Wiley TR, Wueringer BE, **Phillips NM** (2022) Setting quality thresholds for the use of natural history collection specimens in scientific studies, Society for the Preservation of Natural History Collections, 5th – 10th June, Edinburgh, Scotland, UK
41. McCallister M, Bangley C, Jones C, Ogburn M, **Phillips N**, Weber H*, Ajemian M (2022) Preliminary insights on the occurrence and movements of the Brazilian Cownose Ray (*Rhinoptera brasiliensis*) along the east coast of Florida. Indian River Lagoon Symposium, 17th & 18th February
40. **Phillips NM**, Gauci CL*, Serrão E, Leurs G, Carlson JK, Jabado RW, Lehman RN*, Kyne PM (2021) Rapid assessment environmental DNA surveys to define the contemporary distributions of wedgefishes and giant guitarfishes. American Elasmobranch Society Global Wedgefish and Guitarfish Virtual Symposium, 13th & 20th November
39. Fearing A*, Smith KL, Downing N, Wiley TR, Whitty JM, Wueringer BE, Feldheim KA, Kyne PM, **Phillips NM** (2021) From fishing trophies to conservation: using DNA from old sawfish saws to evaluate levels of genetic diversity in historic Largetooth Sawfish (*Pristis pristis*)

populations, Susan A. Siltanen Graduate Student Research Symposium, 9th April,
Hattiesburg, Mississippi, USA

38. Drymon, JM, **Phillips NM** (2021) Swimming against the flow – environmental DNA can detect bull sharks (*Carcharhinus leucas*) across a dynamic deltaic interface. Mississippi Chapter of the American Fisheries Society Virtual Conference, 22nd-26th March
37. Devloo-Delva E, Burrridge CP, Kyne PM, Brunnschweiler JM, Chapman DD, Charvet P, Chen X, Cliff G, Daly R, Drymon JM, Espinoza M, Fernando D, Barcia LG, Glaus K, Grant MI, Gunasekera RM, Hernandez SI, Hyodo S, Jabado RW, Jaquemet S, Johnson G, Magalon H, Mollen FH, Mona S, Naylor GJP, Nevill J, Ovenden JR, **Phillips NM**, Pillans RD, Postaire BD, Smoothey AF, Tillet BJ, White WT & Feutry P (2020) From rivers to ocean basins – global genetic population structure of the bull shark. Oceania Chondrichthyan Society Virtual Conference, 3rd – 4th November
36. Phillips N, Schweiss K*, Seubert E, Daly-Engel T & Drymon M (2019) Using environmental DNA to examine habitat use of Bull Sharks (*Carcharhinus leucas*) in the Mobile-Tensaw River Delta, Alabama. Joint meeting of Ichthyologists and Herpetologists, 24 – 28th July, Snowbird, Utah, USA
35. Lehman R*, Hendon J, Poulakis G, Scharer R & **Phillips N** (2019) Finding fragments: using eDNA to assess the occurrence of Critically Endangered Smalltooth Sawfish outside its core range in U.S. waters. Joint meeting of Ichthyologists and Herpetologists, 24 – 28th July, Snowbird, Utah, USA
34. Fearing A*, Smith K, Downing N, Wiley T, Whitty J, Wueringer B, Feldheim K, Kyne P & **Phillips N** (2019) Sawfish saws as a tool to assess genetic diversity in historic Largetooth Sawfish (*Pristis pristis*) populations. Joint meeting of Ichthyologists and Herpetologists, 24 – 28th July, Snowbird, Utah, USA
33. Schaaf A, **Phillips N** & Gelsleichter J (2019) Exploring potential inshore habitat use by euryhaline elasmobranchs in a southeastern Atlantic river system utilizing fishery surveys and environmental DNA. Joint meeting of Ichthyologists and Herpetologists, 24 – 28th July, Snowbird, Utah, USA
32. Smith KL, **Phillips NM**, Fearing A* & Geeslin D (2019) The role of natural history collection databases and historic DNA in conservation from Texas to the United Kingdom. The Society for the Preservation of Natural History Collections 34th Annual Meeting, 25th – 31st May, Chicago, Illinois, USA
31. Fearing A*, Smith KL, Wiley TR, Whitty JM, Wueringer BE, Feldheim KA, Kyne PM & **Phillips NM** (2019) The role of natural history collections in assessing the levels of genetic diversity in historic Largetooth Sawfish (*Pristis pristis*) populations. Susan A. Siltanen Graduate Student Research Symposium, 11th April, Hattiesburg, Mississippi, USA
30. Lehman RN*, Hendon JM, Poulakis GR & **Phillips NM** (2019) Using environmental DNA samples to assist in monitoring the recovery of the Critically Endangered Smalltooth Sawfish in United States (U.S.) waters. Susan A. Siltanen Graduate Student Research Symposium, 11th April, Hattiesburg, Mississippi, USA
29. Weber HK*, Jones CM, Hendon JM, Poulakis GR, Wells RJD, Swenson JD, Ajemian MJ, Kreiser BJ, **Phillips NM** (2019) Population structure of the Atlantic cownose ray, *Rhinoptera bonasus*,

in the Western Atlantic. Susan A. Siltanen Graduate Student Research Symposium, 11th April, Hattiesburg, Mississippi, USA

28. Lehman RN*, Hendon JM, Poulakis GR & **Phillips NM** (2019) Sawfish CSI: Collecting environmental DNA samples to search for the Critically Endangered Smalltooth Sawfish in the northern Gulf of Mexico. Mississippi Academy of Sciences, 21st -22nd February, Hattiesburg, Mississippi, USA
27. Schweiss KE*, Drymon JM, Daly-Engel T & **Phillips NM** (2019) Investigating environmental DNA accumulation of bull sharks (*Carcharhinus leucas*) using Droplet Digital PCR. Mississippi Academy of Sciences, 21st -22nd February, Hattiesburg, Mississippi, USA
26. Lehman RN*, Hendon JM, Poulakis GR & **Phillips NM** (2018) Sawfish CSI: Utilizing environmental DNA to search for the Critically Endangered smalltooth sawfish in northern Gulf of Mexico waters. Alabama Mississippi Bays and Bayous Symposium, 28th-29th November, Mobile, Alabama, USA
25. Schweiss KE*, Drymon JM, Daly-Engel T & **Phillips NM** (2018) Optimizing eDNA analysis methods for molecular detection of bull sharks (*Carcharhinus leucas*) in the Mobile-Tensaw River Delta and Mobile Bay environments. Alabama Mississippi Bays and Bayous Symposium, 27th - 28th November, Alabama, USA
24. Phillips N, Schweiss KE*, Lehman RN*, Drymon JM, Poulakis GR & Hendon JM (2018) Advancing the role of environmental DNA (eDNA) in the conservation of threatened species. Southeast Association of Fish and Wildlife Agencies 72nd Annual Conference. 21st-24th October, Mobile, Alabama, USA
23. Fearing A*, Smith K, Wiley T, Whitty J, Feldheim K, Kyne P & **Phillips N** (2018) Looking back for the future: utilizing sawfish saws from natural history collections to conserve the Critically Endangered Largetooth Sawfish (*Pristis pristis*). The Society for the Preservation of Natural History Collections Biodiversity Information Science and Standards 2: e25806, Dunedin, New Zealand
22. Phillips N, Fearing A*, Smith KL, Wiley TR, Whitty JM, Feldheim KA, Kyne PM, Wueringer BE, Carlson JK & Taylor SS (2018) Looking back for the future: utilizing historic rostra to further sawfish conservation. Sharks International, 3rd – 8th June, João Pessoa, Brazil
21. Weber H*, Jones CM, Hendon JM, Poulakis GR, Wells RJD, Swenson JD, Ajemian MJ, Kreiser BR & Phillips N (2018) Investigating the ranges of the Atlantic Cownose Ray, *Rhinoptera bonasus*, and the Brazilian Cownose Ray, *Rhinoptera brasiliensis*, in the Western Atlantic using genetic tools. Sharks International, 3rd – 8th June, João Pessoa, Brazil
20. Fearing A*, Smith KL, Wiley TR, Whitty JM, Feldheim KA, Kyne PM & **Phillips NM** (2018) Looking back for the future: utilizing sawfish saws from natural history collections to conserve the Critically Endangered Largetooth Sawfish (*Pristis pristis*). Susan A. Siltanen Graduate Student Research Symposium, 29th March, Hattiesburg, Mississippi, USA
19. Schweiss KE*, Drymon JM, Daly-Engel T & **Phillips NM** (2018) Developing optimal molecular detection methods for bull sharks (*Carcharhinus leucas*) using environmental DNA. Susan A. Siltanen Graduate Student Research Symposium, 29th March, Hattiesburg, Mississippi, USA
18. Fearing A*, Smith KL, Wiley TR, Whitty JM, Feldheim KA, Kyne PM & **Phillips NM** (2018) Looking back for the future: utilizing historic rostra to further sawfish conservation. Mississippi Academy of Sciences, 22nd -23rd February, Hattiesburg, Mississippi, USA

17. Lehman RN*, Hendon JM, Poulakis GR & **Phillips NM** (2018) Optimizing environmental DNA protocols to search for the Critically Endangered Smalltooth Sawfish in northern Gulf of Mexico waters. Mississippi Academy of Sciences, 22nd -23rd February, Hattiesburg, Mississippi, USA
16. Schweiss KE*, Drymon JM, Daly-Engel T & **Phillips NM** (2018) Development of environmental DNA methods to assess habitat usage in bull sharks (*Carcharhinus leucas*). Mississippi Academy of Sciences, 22nd -23rd February, Hattiesburg, Mississippi, USA
15. Weber H*, Jones C, Hendon J, Poulakis G, Wells D, Kreiser B & **Phillips NM** (2018) Identity of Rhinopterids in the Western Atlantic. Mississippi Academy of Sciences, 22nd -23rd February, Hattiesburg, Mississippi, USA
14. Smith C, Seely E, Ellifrit D, Giles D, **Phillips N** & Lyn H (2017) Evaluating vessel exposure and sociality of Bigg's killer whales (*Orcinus orca*) within a transboundary region. 22nd Biennial Conference on the Biology of Marine Mammals, 22nd - 27th October, Halifax, Nova Scotia, Canada
13. Whitty J, Fearing A*, Smith K, Duke K, Rowe K & Phillips N (2017) A sea of saws: sourcing morphometric and genetic data from citizen science, museum archives and professional collaborations to improve conservation efforts of the highly threatened sawfishes. 147th Annual Meeting of the American Fisheries Society, 20th – 24th August, Tampa, Florida, USA
12. Schweiss KE*, Drymon JM, Daly-Engel TS & **Phillips NM** (2017) Development of novel environmental DNA techniques to assess habitat usage in bull sharks (*Carcharhinus leucas*). Joint meeting of Ichthyologists and Herpetologists, 12th – 16th July, Austin, Texas, USA
11. **Phillips NM** & Morgan DL (2016) Genetic bottlenecks in *Pristis* sawfishes in Australia. Invited Symposia, *Biology & Ecology of Sawfishes* at the Joint meeting of Ichthyologists and Herpetologists, 6th – 10th July, New Orleans, Louisiana, USA
10. Schweiss KE†, Hendon JM & **Phillips NM** (2016) A simplified approach to genetically sexing elasmobranchs. Joint meeting of Ichthyologists and Herpetologists, 6th – 10th July, New Orleans, Louisiana, USA
9. **Phillips NM**, Sinclair C, Ronje E & Rosel PE (2015) Fine-scale population structure of common bottlenose dolphins, *Tursiops truncatus* in bays, sounds and estuaries in Texas. 21st Biennial Conference on the Biology of Marine Mammals: Bridging the Past Toward the Future, 13th-18th December, San Francisco, California, USA
8. Phillips N & Rosel P (2015) A method for prioritizing research on common bottlenose dolphin stocks through evaluation of threats and data availability: development and application to bay, sound and estuary stocks in Texas. Gulf of Mexico Marine Mammal Research and Monitoring Meeting by the Marine Mammal Commission, 7th – 8th April, New Orleans, Louisiana, USA
7. Phillips N, Chaplin J, Morgan D & Peverell S (2012) Population structure of the Indo-West Pacific *Pristis* sawfishes: the importance of habitat use in the evolution of sex-biased dispersal. Joint meeting of Ichthyologists and Herpetologists, 8th – 14th August, Vancouver, British Columbia, Canada
6. Phillips N, Chaplin J, Morgan D & Peverell S (2010) Population structures of critically endangered *Pristis* sawfishes with contrasting patterns of habitat use in Australian waters. Sharks International 6th-11th June, Cairns, Queensland, Australia

5. **Phillips N**, Chaplin J, Morgan D & Peverell S (2009) Conservation genetics of *Pristis* species in Australian waters. Joint meeting of Ichthyologists and Herpetologists, 22nd – 27th July, Portland, Oregon, USA
4. **Phillips N**, Chaplin J, Morgan D & Peverell S (2009) Does the Freshwater Sawfish, *Pristis microdon*, exhibit sex-biased dispersal in northern Australian waters? 8th Indo Pacific Fish Conference and 2009 Australian Society for Fish Biology Conference, 31st May – 5th June, Fremantle, Western Australia
3. **Phillips NM**, Chaplin JA, Morgan DL, Thorburn DC & Peverell SC (2008) Genetic diversity and population structure of the Freshwater Sawfish, *Pristis microdon*, in northern Australian waters. Oceania Chondrichthyan Society 2nd Workshop and Conference. 22nd-24th September, Sydney, New South Wales, Australia
2. **Phillips NM** (2008) Conservation genetics of *Pristis* species in Australian waters. Preparation of a multispecies issues paper for the speartooth shark (*Glyphis* sp. A), Northern River shark (*Glyphis* sp. C), freshwater sawfish (*Pristis microdon*) and green sawfish (*Pristis zijsron*) – Population Status and Threats workshop. 16th-18th June, Brisbane, Queensland, Australia
1. **Phillips N**, Chaplin J, Morgan D & Beatty S (2007) The evolutionary significance of Balston's Pygmy Perch and Mud Minnow populations in the Blackwood River. Blackwood River – influence of groundwater and surface water on the aquatic fauna workshop. 27th September, Murdoch, Western Australia, Australia

WORKSHOPS AND EVENT ORGANIZATION

2025	Mississippi State University Extension Teacher Training Workshop, Hattiesburg, Mississippi
2025	eDNA Training Workshop, Georgia Aquarium, Atlanta, Georgia
2023	eDNA Training Workshop, University of Santiago, Santiago, Chile
2022	IUCN Red List of Threatened Species, <i>Pristis</i> sawfishes, Assessor

INVITED SEMINARS/GUEST SPEAKER

2025	University of Southern Mississippi Gulf Coast Research Lab, Ocean Springs, Mississippi
2025	Mississippi State University Extension Teacher Training Workshop, Hattiesburg, Mississippi
2025	Georgia Aquarium, Atlanta, Georgia
2024	Research Day, University of Southern Mississippi, Ocean Springs, Mississippi
2024	Pine Woods Audubon Society, Hattiesburg, Mississippi
2024	St. Cloud State University, St. Cloud, Minnesota
2023	University of Santiago, Santiago, Chile
2023	University of Southern Mississippi, School of Biological, Environmental, and Earth Sciences
2023	Pine Woods Audubon Society, Hattiesburg, Mississippi
2023	Maritime University of Raja Ali Haji, Tanjung Pinang, Indonesia
2023	NOAA Smalltooth Sawfish Recovery Implementation Team, Everglade City, Florida
2022	University of Southern Mississippi Gulf Coast Research Lab, Ocean Springs, Mississippi
2022	Dauphin Island Sea Lab, Alabama
2021	Missouri University, Rolla, Missouri/Southern Illinois University, Edwardsville, Illinois
2021	Florida Institute of Technology, Melbourne, Florida
2021	University of North Florida, Jacksonville, Florida
2021	Dauphin Island Sea Lab, Alabama
2021	University of Southern Mississippi Gulf Coast Research Lab, Ocean Springs, Mississippi

2021	Wessex Museum, Poole, United Kingdom
2020	Dauphin Island Sea Lab, Alabama
2020	University of Southern Mississippi Gulf Coast Research Lab, Ocean Springs, Mississippi
2019	Florida Institute of Technology, Melbourne, Florida
2019	University of North Florida, Jacksonville, Florida
2019	University of Southern Mississippi Gulf Coast Research Lab, Ocean Springs, Mississippi
2019	University of Southern Mississippi Division of Marine Science, Mississippi
2018	Pine Woods Audubon Society, Hattiesburg, Mississippi
2018	Bolton Museum, Aquarium, and Archive, United Kingdom
2017	Southeastern Louisiana University, Hammond, Louisiana
2017	Smithsonian Institution, Washington D.C.
2015	University of Southern Mississippi Division of Coastal Science, Ocean Springs, Mississippi
2015	Louisiana State University, Baton Rouge, Louisiana
2012	Food and Agriculture Organization (FAO) of the United Nations, Rome, Italy
2012	University of Louisiana, Lafayette, Louisiana
2012	Michigan Technological University, Houghton, Michigan
2008	Murdoch University, Western Australia, Australia

AWARDS, SCHOLARSHIPS, FELLOWSHIPS

2025	USM Sabbatical Award, Spring 2025
2024	USM College of Arts and Sciences Researcher of the Year Award, Nominee
2023	Fulbright Specialist, University of Santiago Chile, Chile, \$3,300, plus expenses
2022	USM College of Arts and Sciences Travel Award, \$300
2019	Southern Miss Fund for Excellence Travel Award, \$1,000
2018	American Elasmobranch Society Travel Award, \$750
2010	Passions of Paradise Conference Award, \$400
2009	Murdoch University Postgraduate Conference Award, \$2,500
2008	Passions of Paradise Conference Award, \$400
2008 – 2011	Murdoch University Research Scholarship, \$20,000 per year, plus tuition
2007 – 2008	Murdoch International Postgraduate Scholarship, \$21,250, plus tuition

PROFESSIONAL CONSULTING

2025	eDNA expert for ANAMAR Consulting
2023	Avian expert for litigation case
2022	eDNA consultant for Bright Productions, for National Geographic ‘SharkFest’
2021	Bird biodiversity surveys at Circle Bar Ranch, Mississippi

PROFESSIONAL SERVICE

2026	External examiner for Ph.D. dissertation, University of the Sunshine Coast
2025	Abstract Reviewer, Sharks International, Sri Lanka
2025	Grant Reviewer, Walder Foundation
2025	Code of Conduct <i>ad hoc</i> committee, American Elasmobranch Society,
2025	Volunteer, Yellow Rail Surveys, U. S. Fish and Wildlife Service
2024	External examiner for Ph.D. dissertation, Deakin University, Australia
2024 – present	President, Sawfish Conservation Society 501(c)(3)
2023	Grant Reviewer & Panelist, Mississippi-Alabama Sea Grant Consortium
2022	Grant Reviewer, NOAA Species Recovery Grant to States

2021 – 2022	Nomination Committee, American Elasmobranch Society
2021 – present	Scientific Board Member, Sharks and Rays Australia
2019 – 2020	Marine Science Chair, Mississippi Academy of Sciences
2018 – 2023	Vice President, Sawfish Conservation Society 501(c)(3)
2018 – 2021	Treasurer, Sawfish Conservation Society 501(c)(3)
2018 – 2019	Marine Science Vice Chair, Mississippi Academy of Sciences
2018	Session Chair, Sharks International Conference, João Pessoa, Brazil
2018	Reviewer, Endangered Species Act research permits
2018	Technical Review Panelist, New York Sea Grant
2011– present	Reviewer for: <i>Scientific Reports</i> (NPG), <i>Marine and Freshwater Research</i> , <i>Fisheries Research</i> , <i>Endangered Species Research</i> , <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <i>Journal of Fish Biology</i> , <i>Pacific Conservation Biology</i> , <i>PLOS One</i> , <i>Transactions of the American Fisheries Society</i> , <i>Journal of Heredity</i> , <i>Conservation Genetics</i> , <i>Fishery Bulletin</i> , <i>Genes</i> , <i>Systematic Biology</i> , <i>Neotropical Ichthyology</i> , <i>Molecular Biology Reports</i> , <i>Zoological Journal of the Linnean Society</i> , <i>Royal One</i> , <i>Ecology and Evolution</i>
2009 – 2017	Co-Administrator, Sawfish Conservation Society

UNIVERSITY SERVICE

2026	Chair, Tenure & Promotion Committee, School of Biological, Environmental, and Earth Sciences, The University of Southern Mississippi
2025 – 2026	School Representative, Sabbatical Committee, School of Biological, Environmental, and Earth Sciences, The University of Southern Mississippi
2025 – 2026	Recruitment Committee, School of Biological, Environmental, and Earth Sciences, The University of Southern Mississippi
2025	Chair, Tenure & Promotion Committee, School of Biological, Environmental, and Earth Sciences, The University of Southern Mississippi
2024 – 2026	Faculty Advisor, National Audubon Society Campus Chapter, The University of Southern Mississippi
2024	Chair, Tenure & Promotion Committee, School of Biological, Environmental, and Earth Sciences, The University of Southern Mississippi
2023	Judge, Undergraduate Research Symposium, The University of Southern Mississippi
2022 – 2024	Chair, Safety Committee, School of Biological, Environmental, and Earth Sciences, The University of Southern Mississippi
2022 – 2023	Seminar Coordinator, School of Biological, Environmental, and Earth Sciences, The University of Southern Mississippi
2019 – 2022	Space Committee, School of Biological, Environmental, and Earth Sciences, The University of Southern Mississippi
2019 – 2020	Faculty Search Committee, School of Biological, Environmental, and Earth Sciences, The University of Southern Mississippi
2016 – 2022	Graduate Committee, School of Biological, Environmental, and Earth Sciences, The University of Southern Mississippi
2016 – 2024	Faculty Advisor, Golden Eagles Conservation Club, The University of Southern Mississippi
2015 – 2026	Undergraduate Academic Advisor, School of Biological, Environmental, and Earth Sciences, The University of Southern Mississippi

2015 – 2018 Faculty Advisor, *Beta Chi* Chapter of *Beta Beta Beta*, School of Biological, Environmental, and Earth Sciences, The University of Southern Mississippi

COMMUNITY OUTREACH EVENTS

2022 Oceans of Possibilities, Meridian Public Library, Meridian Mississippi
2021 International Sawfish Day, Mississippi Aquarium, Gulfport, Mississippi
2019 Peter Anderson Festival, Ocean Springs, Mississippi
2019 International Sawfish Day, Audubon Aquarium of the Americas, New Orleans, Louisiana
2019 Discovery Day Dauphin Island Sea Lab, Alabama
2019 Marine Education Center, Fisheries Fun Day, Ocean Springs, Mississippi
2018 Peter Anderson Festival, Ocean Springs, Mississippi
2018 International Sawfish Day, Audubon Aquarium of the Americas, New Orleans, Louisiana
2018 Job Shadow, MS High School student
2018 Discovery Day Dauphin Island Sea Lab, Alabama
2017 Columbia High School, Careers in Marine Biology, Columbia, Mississippi
2017 Peter Anderson Festival, Ocean Springs, Mississippi
2017 International Sawfish Day, Audubon Aquarium of the Americas, New Orleans, Louisiana
2017 Job Shadow, MS High School student
2017 Alabama Deep Sea Fishing Rodeo, Dauphin Island, Alabama
2017 Charlotte Harbor Environmental Center Lecture, Charlotte Harbor, Florida
2016 Carver Middle School, Marine Biology Week, Collins, Mississippi
2016 Shark Week at the Audubon Aquarium of the Americas, New Orleans, Louisiana
2016 Darwin Day, The University of Southern Mississippi, Hattiesburg, Mississippi

MEDIA

2026 Research featured in “Forbes”
2025 Feature article in “The Conversation”
2024 Feature article in “VISTAS” magazine, by the New Bedford Whaling Museum
2024 Expert comment for CNN News on Greenland Shark Genome
2024 “Her STEM Journey” Interview, Oak Grove High School
2024 Research featured in “Miami Herald”, “Forbes”
2023 Research featured in “Forbes”, “Cosmos”, “MS Business Journal”, and others
2023 Research featured in “Mullet Rapper”, “Nautical Mile” Magazine, “Fishing Wire”
2022 Research featured in “Mullet Rapper”, “Coastal Anger” Magazine, “Seven Seas Media”
2021 “Beyond Jaws” Podcast Interview
2019 Research featured in “Mullet Rapper”, “Nautical Mile Magazine”, “Fishing Wire”
2018 Feature article & cover of “Shark Focus” magazine by the Shark Trust UK
2017 Feature article & cover of “North Carolina Naturalist”
2017 Research featured in “Mullet Rapper”, “Nautical Mile Magazine”
2015 Sawfish Conservation Society online feature article
2015 Feature article in “Wildlife Australia” magazine
2009 National Geographic TV appearance on “Monster Fish: Chainsaw Fish”
2008 Animal Planet TV appearance on “Snake Crusader”
2008 Feature article in “Western Fisheries” magazine

GRADUATE STUDENT COMMITTEE CHAIR

2026 – present	Bryan Huerta Beltrán, Ph.D.
2024 – present	Kayla McCulloch, Ph.D. (NSF GRFP Recipient)
2021 – 2025	Bryan Huerta Beltrán, M.S. (Ph.D. at University of South Alabama)
2021 – 2025	Emma Humphreys, M.S. (NASA Fellowship; The Great Basin Institute)
2021 – 2025	Annmarie Fearing, Ph.D. (Fulbright Scholarship Recipient; Rollins College)
2016 – 2022	Helen Weber, M.S. (Ph.D. at University of Edinburgh)
2017 – 2020	Ryan Lehman, M.S. (Abbott Labs)
2016 – 2020	Annmarie Fearing, M.S. (NASA Fellowship; Rollins College)
2016 – 2019	Katherine Schweiss, M.S (EPA)

GRADUATE STUDENT COMMITTEES

2023 – present	Benaya Simeon, Ph.D., Charles Darwin University, Australia
2021 – 2025	Cory Von Eiff, Ph.D., The University of Southern Mississippi
2021 – 2026	Sydney Kennedy, M.S., The University of Southern Mississippi
2019 – 2023	Taiya Jarva, M.S., The University of Southern Mississippi
2019	Donald Tate Warren, M.S., The University of Southern Mississippi
2017	Madelyn Cooper, Ph.D., Ph.D prospectus, James Cook University, Australia
2016 – 2017	Courtney Smith, Ph.D., The University of Southern Mississippi

UNDERGRADUATE RESEARCH STUDENTS

Amelia Harward, Honors thesis (2025 – 2027)	Megan Hansen (2020)
Amelia Floyd (2025)	Christopher Graham (2020)
Steven Gourley (2025)	Emma Humphreys, Honors thesis (2019 – 2021)
Alexis Gentry (2024 – 2025)	Elora Pierce, Honors thesis (2018 – 2021)
Corinne Kemper (2024 – 2025)	Emma Villemarette (2018 – 2021)
Yaliana Chichaco, Intern (2024)	Cammey Rich (2017 – 2021)
Hannah Parker, Honors thesis (2023 – present)	Matthew Aiken (2017 – 2020)
Karley Fasulo (2023)	Ariel Williams (2017 – 2020)
Lauren Coleman (2022 – 2024)	Matthew Thomas (2017 – 2018)
Periann Smith (2022 – 2023)	Madison Vitale (2016 – 2018)
Kylie Faulkner, Honors thesis (2021 – 2024)	Hannah Ricks (2016 – 2017)
Sarah Toepfer, Honors thesis (2020 – 2023)	Josh Waters (2016 – 2017)
Jayla Jones (2020 – 2022)	LeRoy Martin (2016 – 2017)
Camryn Willoughby (2021)	Elizabeth Dobronski (2016 – 2017)
	Lindsey Reagin (2015 – 2016)
	Katherine Schweiss (2015 – 2016)

PROFESSIONAL MEMBERSHIPS

American Elasmobranch Society, Mississippi Ornithological Society, Sawfish Conservation Society