

Elizabeth P. Hunt
Texas A&M University-Corpus Christi
6300 Ocean Drive · Corpus Christi, TX 78412-5869
Elizabeth.Hunt@tamucc.edu

Education

Ph.D. Marine Biology, Expected Spring 2025

Texas A&M University – Corpus Christi, Corpus Christi, Texas
Research Advisor: Dr. David Portnoy

M.S. Fisheries and Mariculture, Awarded Summer 2018

Texas A&M University – Corpus Christi, Corpus Christi, Texas
GPA 4.0

Research Advisor: Dr. David Portnoy

Thesis: *Inferring the phylogenetic relationships within two fish genera:
Insights into the biogeography of the northern Gulf of Mexico.*

B.S. Biology with a concentration in Marine & Aquatic Sciences, Awarded Fall 2012

Bowling Green State University, Bowling Green, Ohio
GPA: 3.23

Professional Positions

2018-Present **Laboratory Manager & Collections Manager, Marine Genomics Laboratory & TAMU-CC Ichthyology Teaching Collection**

Texas A&M University – Corpus Christi *Corpus Christi, TX*

2015-2018 **Graduate Research Assistant & Teaching Assistant in the Marine Genomics Lab**

Texas A&M University – Corpus Christi *Corpus Christi, TX*

Phylogenomics of batfishes and puffers using ultra-conserved DNA elements.
Assist with purchasing, accounting, shipping/receiving, equipment upkeep, and general lab management. Assist with the development of new lab protocols and preparing technical reports. Assist with longline and gillnet surveys.

2014-2015 **Fisheries Technician III, Invertebrate Zoology Laboratory**

Gulf Coast Research Laboratory *Ocean Springs, MS*

Larval decapod identification.

2013-2014 **Fisheries Technician III, Fisheries Oceanography and Ecology Laboratory**

Gulf Coast Research Laboratory *Ocean Springs, MS*

Assist in field collection of zooplankton, zooplankton sorting, and larval fish identification.

2013 **Fishers Technician III, Dr. Eric Powell's Lab**

Shell Budgets as a Tool in Oyster Restoration and Fishery Management

Gulf Coast Research Laboratory *Ocean Springs, MS*

Analyzing sediment cores and oyster shells as well as data collection and management.

Professional Experience

2015 **Satellite Telemetry of Juvenile Bull Sharks in the Mississippi Sound**

Gulf Coast Research Laboratory *Ocean Springs, MS*

Attachment of satellite tags onto juvenile bull sharks.

- 2014-2015 **Mississippi SEAMAP Groundfish Survey**
Gulf Coast Research Laboratory *Ocean Springs, MS*
 Assist with teleost and invertebrate identification, plankton sampling, gear deployment and retrieval (CTD, bongo nets, and neuston net), use of water quality tools, and data recording.
- 2014 **NOAA Shark Longline Survey**
National Oceanic and Atmospheric Administration *Pascagoula, MS*
 Elasmobranch handling, identification, measuring, weighing, and tagging, as well as, teleost otolith removal, tissue collection and data recording.
- 2013 **Shark Laboratory Volunteer**
Gulf Coast Research Laboratory *Ocean Springs, MS*
 Assist with gillnet surveys, vertebrae cutting, and elasmobranch identification.
- Summer 2013 **Intern, Elasmobranch Molecular Physiology and Endocrinology Research Laboratory**
Gulf Coast Research Laboratory *Ocean Springs, MS*
 Assist in gene isolation and cloning, elasmobranch phlebotomy, interrenal tissue removal, polymerase chain reaction, tissue collection, and wetlab setup and maintenance.

Curatorial Experience

- 2016 – present **Ichthyology Teaching Collection Manager**
Texas A&M University - Corpus Christi *Corpus Christi, TX*
 Curation of specimens utilizing wet and dry preservation techniques, overseeing student curation duties, and database management.

Teaching Experience

Adjunct Lecture Instructor

- Texas A&M University - Corpus Christi*
 Fall 2021 BIOL 2300 Science Communication

Adjunct Laboratory Instructor

- Texas A&M University - Corpus Christi*
- | | | |
|-------------|-----------|---------------------------------|
| Spring 2022 | BIOL 1407 | Introductory Biology II |
| Fall 2021 | BIOL 1407 | Introductory Biology II |
| Spring 2020 | BIOL 5452 | Ecology and Evolution of Fishes |
| | BIOL 1407 | Introductory Biology II |
| Fall 2020 | BIOL 1406 | Introductory Biology I |
| Spring 2019 | BIOL 1406 | Introductory Biology I |

Teaching Assistant

- Texas A&M University - Corpus Christi*
- | | | |
|-------------|-----------|---------------------------------|
| Fall 2017 | BIOL 5432 | Biology of Fishes |
| Spring 2017 | BIOL 5452 | Ecology and Evolution of Fishes |
| | BIOL 1407 | Introductory Biology II |
| Fall 2016 | BIOL 5432 | Biology of Fishes |
| Spring 2016 | BIOL 1406 | Introductory Biology I |
| | BIOL 3425 | Functional Anatomy |
| Fall 2015 | BIOL 2401 | Anatomy and Physiology I |

- University of Southern Mississippi's Summer Field Program*
 Summer 2015 COA 421/521 Marine Ichthyology

Publications

3. Selwyn, J.D., **Hunt, E.P.**, Portnoy, D.S., & Hogan, J.D. (2022). Maintenance of species boundaries within social aggregations of ecologically similar goby sister species. *Marine Biology*, 169(2), 1-16.
2. **Hunt E.P.**, Conway K.W., Hamilton K., Piller K., Wright J.J., & Portnoy D.S. (2021). Molecular Phylogenetics of the Chub Suckers (Teleostei: Catostomidae: *Erimyzon*) inferred from nuclear and mitochondrial loci. *Ichthyology and Herpetology*, 109(2), 626-635.
1. Portnoy D.S., Willis S.C., **Hunt E.P.**, Swift D.G., Gold J.R., & Conway K.W. (2017). Molecular Phylogenetics of New World searobins (Triglidae; Prionotinae). *Molecular Phylogenetics and Evolution*, 107, 382–387.

Presentations

6. **Hunt, E.P.**, O’Leary, S., Conway, K.W., Portnoy, D.S. (2021). Genetic Assessment of *Prionotus alatus* and *Prionotus paralatus* in the northern Gulf of Mexico. Joint Meeting of the American Society of Ichthyologist and Herpetologists, Phoenix, AZ, July 2021.
5. **Hunt, E.P.**, O’Leary, S., Piller, K., Wright, J., Conway, K.W., Portnoy, D.S. (2020). Molecular phylogenetics of the North American chubsuckers (Catostomidae:*Erimyzon*) based on mitochondrial and nuclear loci. Texas Chapter of the American Fisheries Society, Annual Meeting, Waco, Texas. January 2020.
4. Bretzing, R., **Hunt, E.P.**, Portnoy, D.S. (2019). Comparative analysis of elasmobranch field identification using COI. Joint Meeting of the American Society of Ichthyologist and Herpetologist, Snowbird, UT July 2019.
3. **Hunt, E.P.**, Hamilton, K., O’Leary, S.J., Piller, K., Wright, J.J., Conway, K.W., Portnoy, D.S. (2019). Molecular phylogenetics of the genus *Erimyzon* (Family Catostomidae) based on mitochondrial and nuclear loci. Joint Meeting of the American Society of Ichthyologists and Herpetologists, Snowbird, UT, July 2019.
2. **Hunt, E.P.**, Willis, S.C., Conway, K.W., & Portnoy, D.S. (2018). Phylogenomics of pufferfish in the genus *Sphoeroides* (Tetraodontiformes, Tetraodontidae). Joint Meeting of the American Society of Ichthyologists and Herpetologists, Rochester, NY, July 2018.
1. **Hunt, E.P.**, Willis, S.C., Conway, K.W., and Portnoy D.S. (2016). Inferring the phylogenetic relationships within two genera of fishes: insights into the biogeography of the northern Gulf of Mexico. Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA, July 2016

Scholarships and Awards

2020	University of Michigan Species Delimitation Workshop Travel Award: \$800
2018	Fisheries and Mariculture Student Travel Award: \$1559
2017	Texas Chapter of the American Fisheries Society Student Scholarship: \$1500 College of S&E Graduate scholarship: \$1000
2016	Texas A&M University – Corpus Christi Parents’ Council Travel Award: \$500 College of S&E Graduate scholarship: \$1000
2015	Fisheries and Mariculture Student Research Award: \$1500

Professional Training

- 2019 Institutional Animal Care and Use Committee Training, certified since 2014
Common RCR Course
- 2015 Highly Migratory Species Safe Handling
- 2014 Mississippi Department of Wildlife, Fisheries & Parks Boater's Safety Certification
National Association of State Boating Law Administrators-Recognized by the U.S. Coast
Guard

Professional Organizations

American Society of Ichthyologists and Herpetologists