

David Seth Portnoy

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Preparation

- 2002-2008 Ph.D. (Marine Science), The Virginia Institute of Marine Science, The College of William and Mary, Williamsburg, VA. Dissertation: Understanding the Reproductive Behavior and Population Condition of the Sandbar Shark (*Carcharhinus plumbeus*) in the Western North Atlantic: A Molecular Approach to Conservation and Management. Advisors: Jack Musick and John Graves
- 1994-1998 B.S. (Biology), The College of William and Mary, Williamsburg, VA.

Research Interests

Population genomics of exploited marine fishes
Marine connectivity and patterns of zoogeography
Systematics and evolution of elasmobranchs and bony fishes
Patterns of sexual selection, conflict, and speciation

Professional Experience

- 2019-Present Associate Professor, Department of Life Sciences, Texas A&M University – Corpus Christi, Corpus Christi, TX.
- 2019-Present Ruth A Campbell Professor of Marine Biology, Texas A&M University – Corpus Christi, Corpus Christi, TX.
- 2013-2019: Assistant Professor, Department of Life Sciences, Texas A&M University – Corpus Christi, Corpus Christi, TX.
- 2008-2013 Postdoctoral Research Associate and Visiting Lecturer, Texas A&M University, College Station, TX.
- 2002-2008 Research Assistant, Virginia Institute of Marine Science, Gloucester Point, VA
- 2001-2002 Research Technician, Boston University Marine Program, Woods Hole, MA
- 2000-2001 Research Assistant, Harvard Medical School, West Roxbury, MA
- 1999-2000 Intern, New England Aquarium, Boston, MA

Teaching

Fall 2019 Ichthyology, Texas A&M University - Corpus Christi, Instructor (co-taught).

Fall 2019 Genetics, Texas A&M University – Corpus Christi, Instructor.

Summer 2019 Down the River: Biology of Gulf Coast Fishes, Texas A&M University – Corpus Christi, Instructor.

Spring 2019 Ecology and Evolution of Fishes, Texas A&M University - Corpus Christi, Instructor (co-taught).

Spring 2019 Marine Genetics, Texas A&M University - Corpus Christi, Instructor.

Fall 2018 Ichthyology, Texas A&M University - Corpus Christi, Instructor (co-taught).

Fall 2018 Genetics, Texas A&M University – Corpus Christi, Instructor.

Summer 2018 Down the River: Biology of Gulf Coast Fishes, Texas A&M University – Corpus Christi, Instructor.

Spring 2018 Ecology and Evolution of Fishes, Texas A&M University - Corpus Christi, Instructor (co-taught).

Spring 2018 Marine Genetics, Texas A&M University - Corpus Christi, Instructor.

Fall 2017 Ichthyology, Texas A&M University - Corpus Christi, Instructor (co-taught).

Fall 2017 Genetics, Texas A&M University – Corpus Christi, Instructor.

Spring 2017 Ecology and Evolution of Fishes, Texas A&M University - Corpus Christi, Instructor (co-taught).

Spring 2017 Marine Genetics, Texas A&M University - Corpus Christi, Instructor.

Fall 2016 Ichthyology, Texas A&M University - Corpus Christi, Instructor (co-taught).

Fall 2016 Genetics, Texas A&M University – Corpus Christi, Instructor.

Summer 2016 Down the River: Biology of Gulf Coast Fishes, Texas A&M University – Corpus Christi, Instructor.

Spring 2016 Marine Genetics, Texas A&M University - Corpus Christi, Instructor.

- Spring 2016 Professional Skills, Texas A&M University - Corpus Christi, Instructor.
- Fall 2015 Ichthyology, Texas A&M University - Corpus Christi, Instructor (co-taught).
- Summer 2015 Down the River: Biology of Gulf Coast Fishes, Texas A&M University – Corpus Christi, Instructor.
- Spring 2015 Ecology and Evolution of Fishes, Texas A&M University - Corpus Christi, Instructor (co-taught).
- Fall 2014 Ichthyology, Texas A&M University - Corpus Christi, Instructor (co-taught).
- Fall 2014 Mariculture, Texas A&M University - Corpus Christi, Guest Lecture (Instructor, J. Pollack).
- Fall 2014 Marine Ecology, Texas A&M University – Corpus Christi, Guest Lecture (Instructor, L. Smee).
- Spring 2014 Marine Genetics, Texas A&M University - Corpus Christi, Instructor.
- Fall 2013 Marine Ecology, Texas A&M University – Corpus Christi, Guest Lecture (Instructor, L. Smee).
- Spring 2009 Marine Fisheries, Texas A&M University, Instructor (co-taught).
- Fall 2009 Honors Genetics, Texas A&M University, Guest Lecture (Instructor, J. Gold).
- Spring 2008 Marine Molecular Genetics, The Virginia Institute of Marine Science, Guest Lecture (Instructor, J. Graves, J. McDowell & K. Reece).
- 2004-2008 Ichthyology, The Virginia Institute of Marine Science, Teaching Assistant
- Spring 2004 Organisms, Evolution and Ecology, The College of William and Mary, Williamsburg, VA, Teaching Assistant

Publications:

50. O’Leary[^], S.J., Hollenbeck, C.M., Vega, R.R., Portnoy, D.S. (2020) Disentangling spatial, environmental, and demographic signals in population genomics of an exploited, estuarine-dependent flatfish. *Evolutionary Applications*, in review.
49. Mendoza-Portillio*, V., Galván-Tirado, C., **Portnoy, D.S.**, Valenzuela-Quiñonez, F., Domínguez, O.D., Durand, J.-D., Urbiola, J.C.P., García-De-León, F.J. (2020) Genetic diversity and structure of circumtropical almaco jack *Seriola rivoliana*: tool for conservation and management. *Journal of Fish Biologu*, in review.

48. Swift*, D.G., **Portnoy, D.S.** Identification and delineation of essential fish habitat for elasmobranchs in estuaries on the Texas Coast. *Estuaries and Coasts*, in revision.
47. TinHan, T.C., O’Leary^, S.J., **Portnoy, D.S.**, Rooker, J.R., Gelphi, C., Wells, R.J.D. (2020) Identifying nursery origin of a euryhaline predator: evaluating the utility of natural tags. *Journal of Applied Ecology*, accepted.
46. **Portnoy, D.S.**, Fields^, A.T., Greer, J., Schlenk, D. (2020) Genetics and oil: transcriptomics, epigenetics and population genomics as tools to understand animal responses to exposure across different time scales. *In Deep Oil Spills: Facts, Fate Effects* (eds. Murawski, S.A., Ainsworth, C.H., Gilbert S., Holander, D.J., Paris, C.B., Shlüter M. and Wetzel, D.L.) Springer Nature, Switzerland.
45. Boeck, H.M., Laramore, S.E., **Portnoy D.S.**, Scarpa, J. (2019). Survey of Texas bay systems for the oyster parasites *Bonamia*, *Haplosporidium nelsoni*, and *Perkinsus marinus*. *Journal of Shellfish Research*, 38, 557-564.
44. Barker* A.M., Frazier, B.S., Gelsleichter, J., Grubbs, R.D., Hollenbeck, C.M., **Portnoy D.S.** (2019) High rates of genetic polyandry in the blacknose shark, *Carcharhinus acronotus*. *Copeia*, 107, 502-508.
43. Dimens*, P.V., Willis^, S.C, Grubbs, R.D., **Portnoy D.S.** (2019) A genomic assessment of movement and gene flow around the South Florida vicariance zone in a migratory coastal shark. *Marine Biology*, 166, 86-96.
42. Barker*, A.M., Adams, D.H., Driggers, W.B. III, Frazier, B.S., **Portnoy D.S.** (2019) Hybridization between sympatric hammerhead sharks in the western North Atlantic Ocean. *Biology Letters*, **15**, (doi.org/10.1098/rsbl.2019.0004).
41. Hollenbeck, C.M., **Portnoy, D.S.**, Gold, J.R. (2019) Evolution of population structure in an estuarine-dependent, marine fish. *Ecology and Evolution*, **9**, 3141-3152 (doi: 10.1002/ece3.4936).
40. Driggers, W.B. III, Campbell, M.D., Hanisko, D.S., Hannan, K.M., Hoffmayer, E.R., Jones, C.M. Pollack, A.G., **Portnoy, D.S.** (2018) Distribution of angel sharks (Squatinae) in United States waters of the western North Atlantic Ocean. *Fishery Bulletin*, 116, 337-347
39. O’Leary^, S.J., Puritz, J.B., Willis^, S.C., Hollenbeck, C.M., **Portnoy D.S.** (2018) These are not the loci you are looking for: Principles of effective SNP filtering for the molecular ecologist. *Molecular Ecology*, 27, 3193-3206.
38. Dahl*, K.A., **Portnoy, D.S.**, Hogan, J.D., Johnson, J., Gold, J.R., Patterson, W.F. III (2018) Genotyping confirms significant cannibalism in northern Gulf of Mexico invasive red lionfish, *Pterois volitans*. *Biological Invasions*, 20. 3513-3526.

37. O'Leary[^], S.J., Hollenbeck, C.M., Vega, R.R, Gold. J.R., **Portnoy. D.S.** (2018). Genetic mapping and comparative genomics to inform restoration enhancement and culture of southern flounder, *Paralichthys lethostigma*, *BMC Genomics*,19, 163.
36. Barker*, A.M., Frazier, B.S., Bethea, D.M., Gold. J.R., **Portnoy D.S.** (2017) Identification of young-of-the-year great hammerhead shark *Sphyrna mokarran* in northern Florida and South Carolina. *Journal of Fish Biology*, 91, 664-668.
35. **Portnoy, D.S.**, Willis[^], S.C., Hunt*, E., Swift*, D., Gold, J.R, Conway, K.W. (2017) Molecular phylogenetics of New World searobins (Triglidae: Prionotinae). *Molecular Phylogenetic and Evolution*, 107, 382-387.
34. Hollenbeck[^], C.M., **Portnoy D.S.**, Wetzel, D., Sherwood, T.A., Gold, J.R. (2017) Linkage mapping and comparative genomics for red drum (*Sciaenops ocellatus*) using next-generation sequencing. *G3: Genes, Genomes, Genetics*, 7, 843-850.
33. Willis[^], S. C., Hollenbeck[^], C. M., Puritz[^], J. B., Gold, J.R., **Portnoy, D.S.** (2017) Haplotyping RAD loci: an efficient method to filter paralogs and account for linkage disequilibrium. *Molecular Ecology Resources*, 17: 955-965.
32. Puritz[^], J. B., Gold, J. R., **Portnoy, D. S** (2016). Fine-scale partitioning of genomic variation among recruits in an exploited fishery: causes and consequences. *Nature: Scientific Reports*, 6, 36095.
31. **Portnoy, D.S.**, Hollenbeck[^], C.M, Bethea, D.M., Frazier, B.S., Gelsleichter, J., Gold, J.R. (2016) Population structure, gene flow, and historical demography of a small coastal shark (*Carcharhinus isodon*) in U.S. waters of the western Atlantic Ocean. *ICES Journal of Marine Science*, 73, 2322-2332.
30. Selwyn*, J.D, Hogan, J.D, Downey-Wall*, A.M., Gurski*, L.M. **Portnoy, D.S.** Heath, D. (2016) Kin-aggregations explain chaotic genetic patchiness, a commonly observed genetic pattern, in a marine fish. *Plos-One*, 11, e0153381.
29. Hollenbeck[^], C.M., **Portnoy, D.S.**, Gold J.R. (2016) A method for detecting recent changes in contemporary effective population size from linkage disequilibrium at linked and unlinked loci. *Heredity*,117, 207-216.
28. **Portnoy, D.S.**, Puritz, J.B., Hollenbeck*, C.M., Gelsleichter, J., Chapman, D., Gold J.R. (2015) Selection and sex-biased gene flow: philopatric sorting of adaptive alleles in a coastal shark. *Molecular Ecology*, **24**, 5877-5885
27. Giresi*, M.M., Grubbs, R.D., **Portnoy, D.S.**, Driggers, W.B. III, Jones, L., Gold, J.R. (2015) Identification and distribution of morphologically conserved smoothhound sharks (Genus *Mustelus*) in the northern Gulf of Mexico. *Transactions of the American Fisheries Society*, **144**, 1301-1310.

26. Hollenbeck*, C.M., **Portnoy, D.S.**, Saillant, E., Gold, J.R. (2015) Population structure of red snapper (*Lutjanus campechanus*) in U.S. waters of the western Atlantic Ocean and the northeastern Gulf of Mexico. *Fisheries Research*, **172**, 17-25.
25. Hollenbeck*, C.M, **Portnoy, D.S.**, Gold, J.R. (2015) A genetic linkage map of red drum (*Sciaenops ocellatus*) and comparison of chromosomal synteny with four other fish species. *Aquaculture*, **435**, 265-274.
24. **Portnoy, D.S.**, Hollenbeck*, C.M., Belcher, C.N., Driggers, W.B. III, Frazier, B.S., Gelsleichter, J., Grubbs, R.D., Gold, J.R. (2014) Contemporary population structure and post-glacial genetic demography in a migratory marine species, the blacknose shark, *Carcharhinus acronotus*. *Molecular Ecology*, **23**, 5480-5495.
23. **Portnoy, D.S.**, Hollenbeck*, C.M., Vidal, R.R., Gold, J.R. (2014) A comparison of neutral and immune genetic variation in Atlantic Salmon, *Salmo salar* L. in Chilean aquaculture facilities. *PLOS-ONE*, 9, e99358.
22. **Portnoy, D.S.**, Hollenbeck*, C.M., Johnston, J.S., Casman, H.M., Gold, J.R. (2014) Parthenogenesis in a reef whitetip shark *Triaenodon obesus* involves a reduction in ploidy. *Journal of Fish Biology*, **85**, 502-508.
21. Andersen*, J.J., **Portnoy, D.S.**, Hafner, J.C., Light J.E. (2013) Populations at risk: conservation genetics of kangaroo mice (*Microdipodops*) of the Great Basin Desert. *Ecology and Evolution*, **3**, 2497-2513.
20. **Portnoy, D.S.**, Hollenbeck*, C.M., Renshaw, M.A., Cummings, N.J., Gold, J.R. (2013) Does mating behaviour affect connectivity in marine fishes? Comparative population genetics of two protogynous groupers (Family Serranidae). *Molecular Ecology*, **22**, 301-313.
19. **Portnoy, D. S.**, Gold, J. R. (2013) Finding geographic population structure in marine fish species with high gene flow. *Gulf and Caribbean Fisheries Institute* **65**, 384-389.
18. Giresi*, M.M., Grubbs, R.D., **Portnoy, D.S.**, Gold J.R. (2013) A morphological key to distinguish among smoothhound sharks (Genus *Mustelus*) in the Gulf of Mexico. *Gulf and Caribbean Fisheries Institute* **65**, 143-146.
17. Hollenbeck*, C.M., **Portnoy, D.S.**, Gold, J.R. (2012) Use of comparative genomics to develop EST-SSRs for red drum (*Sciaenops ocellatus*). *Marine Biotechnology* **14**, 672-680.
16. **Portnoy, D.S.**, Gold, J.R. (2012) Evidence of multiple vicariance in a marine suture-zone in the Gulf of Mexico. *Journal of Biogeography* **39**, 1499-1507.
15. **Portnoy, D.S.**, Heist, E.J. (2012) Molecular markers: progress and prospects for understanding reproductive ecology in elasmobranchs. *Journal of Fish Biology* **80**, 1120-1140.

14. Giresi*, M., Renshaw, M.A., **Portnoy, D.S.**, Gold, J.R. (2012) Development and characterization of microsatellite markers for the finetooth shark, *Carcharhinus isodon*. *Conservation Genetics Resources* **4**, 637-643.
13. Giresi*, M., Renshaw, M.A., **Portnoy, D.S.**, Gold, J.R. (2012) Isolation and characterization of microsatellite markers for the blacknose shark, *Carcharhinus acronotus*. *Conservation Genetics Resources* **4**, 141-145.
12. Giresi*, M., Renshaw, M.A., **Portnoy, D.S.**, Gold J.R. (2012) Isolation and characterization of microsatellite markers for the dusky smoothhound shark, *Mustelus canis*. *Conservation Genetics Resources* **4**, 101-104.
11. **Portnoy, D.S.**, Hollenbeck, C.M., Renshaw, M.A., Gold J.R. (2011) Microsatellite panels for gene localization in red drum, *Sciaenops ocellatus*. *Aquaculture*, **319**, 505-508.
10. Verissimo, A., Grubbs, R.D., McDowell, J.R., Musick, J.A., **Portnoy, D.S.** (2011) Frequency of multiple paternity in the spiny dogfish *Squalus acanthias* in the western North Atlantic. *Journal of Heredity* **102**, 88-93.
9. Renshaw, M.A., **Portnoy, D.S.**, Vidal, R., Gold, J.R. (2011) Isolation and characterization of microsatellite markers in the southern hake, *Merluccius australis*. *Conservation Genetics Resources* **3**, 91-94.
8. **Portnoy, D.S.**, Renshaw, M.A., Hollenbeck, C.M., Gold, J.R. (2010) A genetic linkage map of red drum, *Sciaenops ocellatus*. *Animal Genetics* **41**, 630-641.
7. **Portnoy, D.S.**, McDowell, J.R., Heist, E.J., Musick, J.A., Graves J.E. (2010) World phylogeography and male mediated gene flow in the sandbar shark, *Carcharhinus plumbeus*. *Molecular Ecology* **19**, 1994-2010.
6. **Portnoy, D.S.** (2010) Molecular insights into elasmobranch reproductive behavior for conservation and management. In *Sharks and Their Relatives II: Biodiversity, Adaptive Physiology and Conservation*. (eds. Carrier, J.C., Musick, J.A., Heithaus, M.R.) CRC Press, Boca Raton, FL, pp 435-457.
5. Renshaw, M.A., **Portnoy, D.S.**, Gold, J.R. (2010) PCR primers for nuclear-encoded microsatellites of the groupers *Cephalopholis fulva* (coney) and *Epinephelus guttatus* (red hind). *Conservation Genetics Resources* **11**, 1197-1202.
4. **Portnoy, D.S.**, McDowell, J.R., McCandless, C.T., Musick, J.A., Graves, J.E. (2009) Effective size closely approximates the census size in the heavily exploited western Atlantic population of sandbar sharks, *Carcharhinus plumbeus*. *Conservation Genetics* **10**, 1697-1705.
3. **Portnoy, D.S.**, Piercy, A.N., Musick, J.A., Burgess, G.H., Graves, J.E. (2007) Genetic polyandry and sexual conflict in the sandbar shark, *Carcharhinus plumbeus*, in the western North Atlantic and Gulf of Mexico. *Molecular Ecology* **16**, 187-197.

2. **Portnoy, D.S.**, McDowell, J.R., Thompson, K., Musick, J.A., Graves, J.E. (2006) Isolation and characterization of five dinucleotide microsatellite loci in the sandbar shark, *Carcharhinus plumbeus*. *Molecular Ecology Notes* **6**, 431-433.
1. Rice, A.N., **Portnoy, D.S.**, Kaatz, I.M., Lobel, P.S. (2001). Differentiation of pharyngeal muscles on the basis of enzyme activities in the cichlid *Tramitichromis intermedius*. *Biological Bulletin*, **201**, 258-260.

* Graduate Student, ^ Postdoctoral Scholar

Book Reviews

1. Portnoy, D.S. "Rays of the World. P. R. Last, W. T. White, M. R. de Carvalho, B. Séret, M. F. W. Stehmann and G. J. P. Naylor, illustrations by L. Marshall. 2016. CSIRO Publishing. ISBN," *Copeia*

Conference Sessions

- Murawski, S., Patterson III, W.F., Barbieri, Luiz & **Portnoy, D.S.** (2017) Impacts of the Deepwater Horizon and other large oil spills on fish and fisheries in the Gulf of Mexico. American Fisheries Society Annual Meeting, Tampa, FL, August 2017 (30 oral presentations)
- Turner, T.F., Conway, K. & **Portnoy D.S.** (2017) From headwaters to the sea and karyotypes to genomes: a symposium in honor of John Gold. American Fisheries Society Annual Meeting, Tampa, FL, August 2017 (14 oral presentations)
- Kostka, J., Konstantinidis, K. & **Portnoy, D.S.** (2017) Genomics and modeling of biological communities to improve predictions of ecosystem response to and mitigation of spilled oil. Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, February 2017 (22 oral presentations, 16 poster presentations)
- Patterson III, W.F, **Portnoy, D.S.** & Murawski, S. (2017) Ecosystem structure, function and services: legacies of the Deepwater Horizon oil spill. Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, February 2017 (17 oral presentations, 33 poster presentations)
- Portnoy, D.S.** & Patterson III, W.F. (2016) Session 015: Ecological impacts of the Deepwater Horizon oil spill impacts across multiple scales. Gulf of Mexico Oil Spill & Ecosystem Science Conference, Tampa Bay, FL, February 2016 (23 oral presentations, 29 poster presentations)

Conference Abstracts

80. Conway, K.W., Pinion, A.K., Carlos, A., **Portnoy D.S.** (2019) Comparative Mitochondrial Genetic Investigation of Three Lower Rio Grande Endemic Species of Freshwater Fishes. (2019) Desert Fishes Council, Annual Meeting, Alpine, TX November 2019.

79. 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.
78. O’Leary, S.J.[^], Hollenbeck, C.M., Vega, R.R., Gold, J.R., **Portnoy, D.S.** (2019) Disentangling demographic, spatial, and environmentally driven signals in genomic data sets: an assessment of southern flounder, *Paralichthys lethostigma*. Joint Meeting of the American Society of Ichthyologist and Herpetologist, Snowbird, UT, July 2019.
77. 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 Catastomidae) based on mitochondrial and nuclear loci. Joint Meeting of the American Society of Ichthyologists and Herpetologists, Snowbird, UT, July 2019.
76. Trejo, A.*., O’Leary, S.J.[^], Cotton, C., Murawski, S., **Portnoy, D.S.** (2019) Population structure of king snake eel (*Ophichthus rex*) throughout the Gulf of Mexico. Joint Meeting of the American Society of Ichthyologists and Herpetologists, Snowbird, UT, July 2019.
75. Wallen, J.*., O’Leary, S.J.[^], Portnoy, **D.S.** (2019) Population structure of *Bagre marinus* in the Gulf of Mexico. Joint Meeting of the American Society of Ichthyologists and Herpetologists, Snowbird, UT, July 2019.
74. Cooper, P.T.*., O’Leary, S.J.[^], **Portnoy, D.S.**, Nelson, T.R., Powers, S.P. (2019) An assessment of associations between patterns of salinity exposure and genomic diversity in a euryhaline fish. Joint Meeting of the American Society of Ichthyologists and Herpetologists, Snowbird, UT, July 2019.
73. Galloway, A., Barker, A.M.*., Bedore, C., Adams, D., Reyer, E., Gelsleichter, J., **Portnoy, D.S.**, Frazier, B. (2019) Trophic ecology of the scalloped and Carolina hammerheads in coastal waters of the southeastern U.S. Joint Meeting of the American Society of Ichthyologists and Herpetologists, Snowbird, UT, July 2019.
72. Fields, A.[^], Frazier, B., Drymon, M., Grubbs, R.D., Gelsleichter, J., Chapman, D., Ruiz, A., Hueter, R., Gardiner, J. **Portnoy, D.S.** (2019) Population Structure of the bonnethead shark (*Sphyrna tiburo*) in the western North Atlantic. Joint Meeting of the American Society of Ichthyologists and Herpetologists, Snowbird, UT, July 2019.
71. Barker, A.M.*., Adams, D., Bedore, C., Frazier, B., Gelsleichter, J., Kingon, K., **Portnoy, D.S.** (2019) Population structure and conservation genetics of scalloped hammerheads (*Sphyrna lewini*) in the U.S. Atlantic and Gulf of Mexico Joint Meeting of the American Society of Ichthyologists and Herpetologists, Snowbird, UT, July 2019.

70. Boeck, H.M.*, Laramore, S.E., Portnoy, D.S., Scarpa, J. (2019) Oyster parasites *Bonamia* and MSX are not present in Texas bays. Aquaculture 2019, New Orleans, LA, March 2019.
69. Beeken, N.*, Fields, A.T.^, Wetzel, D, **Portnoy, D.S.** (2019) The effect of Deepwater Horizon crude oil on DNA methylation patterns in wild-caught red drum (*Sciaenops ocellatus*) in Louisianan estuaries. Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, February 2019.
68. **Portnoy, D.S.**, Gilbert, S., Hotaling, L., Wetzel, D. (2019) Visualized genomics: making connections between organismal and population response to toxicant exposure. Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, February 2019.
67. Deak, K.*, Dishaw, L., Walsh, C. Breitbart, M., **Portnoy, D.S.**, C. Pulster, E., Snyder, S., Murawski, S. (2019) Lessons learned from Gulf-wide evaluation of biomarker expression in red snapper and golden tilefish. Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, February 2019.
66. Deak, K.*, Pulster, E., Snyder, S. Walsh, C., Breitbart, M., **Portnoy, D.S.**, Murawski, S. (2018) Gulf-wide biomarker variability in Golden Tilefish and Red Snapper: 2015-2017. Toxicology of Oil in Vertebrates Workshop. Boulder, CO. October 2018.
65. Swift, D.G.*, Grubbs, R.D., Frazier, B.S., Bethea, D.M., **Portnoy, D.S.** (2018) Stock structure assessment of blacktip shark (*Carcharhinus limbatus*) in the U.S. Atlantic Ocean and Gulf of Mexico using high-throughput sequencing. American Fisheries Society Annual Meeting, Atlantic City, NJ, August 2018.
- 64 Cooper, P.T.*, O’Leary, S.J.^, **Portnoy, D.S.**, Powers, S.P. (2018) Genomic Assessment of Population Sheepshead, *Archosargus probatocephalus*. American Fisheries Society Annual Meeting, Atlantic City, NJ, August 2018.
63. Barker, A.M.*, Frazier, B.S., Adams, D.H. & **Portnoy, D.S.** (2018) Hybridization between a cryptic species pair, *Sphyrna lewini* and *Sphyrna gilberti*, in the western North Atlantic. Joint Meeting of the American Society of Ichthyologists and Herpetologists, Rochester, NY, July 2018.
62. Morgan, T.*, Willis, S.C., Farias, I.P., Covain, R., Mol, J.H., **Portnoy, D.S.** & López-Fernández, H. (2018) The biogeography and phylogenomics of *Geophagus* (Subfamily: Cichlinae) in the Guiana Shield. Joint Meeting of the American Society of Ichthyologists and Herpetologists, Rochester, NY, July 2018.
61. Hunt, E.*, 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.

60. Hamilton, K.[#], O'Leary, S.J.[^], Piller, K., Conway, K.W., & **Portnoy D.S.** (2018) Phylogenetic relationships within the genus *Erimyzon* (Family: Catostomidae) based on mitochondrial and nuclear loci. Joint Meeting of the American Society of Ichthyologists and Herpetologists, Rochester, NY, July 2018.
59. **Portnoy, D.S.**, Barker, A.M.* , Adams, D.H. & Frazier, B.S. (2018) Hybridization between a cryptic species pair, *Sphyrna lewini* and *Sphyrna gilberti*, in the western North Atlantic. Sharks International, João Pessoa, Brazil, June 2018.
58. Driggers, W.B. III, Campbell, M.D., Hannan, K.M., Hoffmayer, E.R., Jones, C.M., Pollack, A.G. & **Portnoy, D.S.** (2018) Distribution of angel sharks (Squatinae) in United States waters of the western North Atlantic Ocean. Mississippi Chapter of the American Fisheries Society Annual Meeting, Oxford, MS, February 2018
57. Fields, A.T.[^], Wetzel, D.L., Medvecky, R.L., Sherwood, T.A., & **Portnoy D.S.** (2018) Epigenomics of oil-exposed Red Drum (*Sciaenops ocellatus*). Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, February 2018.
56. O'Leary, S.[^], Murphy, A.E.[#], & **Portnoy D.S.** (2018) Female-specific, highly-dense linkage map for golden tilefish. Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, February 2018.
55. **Portnoy, D.S.** (2018) Genomics for fisheries research. Texas Chapter of the American Fisheries Society Annual Meeting, College Station, TX, January 2018.
54. **Portnoy, D.S.**, Fields, A.T.[^], Hollenbeck, C.M. Gold, J.R., Sherwood, T. & Wetzel, D. (2017) Genomic analysis of oil effects on exploited marine fishes. American Fisheries Society Annual Meeting, Tampa, FL, August 2017.
53. **Portnoy, D.S.**, Hollenbeck, C.M., O'Leary, S.J.[^], Puritz, J.B., Willis, S.C.[^] & Gold, J.R. (2017) Genomics and fisheries management: studies in the northern Gulf of Mexico. American Fisheries Society Annual Meeting, Tampa, FL, August 2017.
52. O'Leary, S.J.[^], Gold, J.R. & **Portnoy, D.S.** (2017) Population structure and patterns of connectivity of southern flounder, *Paralichthys lethostigma*, in the Gulf of Mexico and U.S South Atlantic. American Fisheries Society Annual Meeting, Tampa, FL, August 2017.
51. O'Leary, S.J.[^], Snyder, S., Pulster, E, Murawski, S., Gold, J.R. & **Portnoy, D.S.** (2017) A comparison of gulf-wide population-level effects of oil exposure on the genetic diversity of a demersal, sedentary, deepwater-burrowing fish. (2017) American Fisheries Society Annual Meeting, Tampa, FL, August 2017.

50. Dahl, K.A.*, Patterson III, W.F., **Portnoy, D.S.**, Hogan, J.D., Robertson, & A., Ortmann, A. (2017) DNA barcoding and microsatellite genotyping confirm extensive cannibalism in northern Gulf of Mexico lionfish. American Fisheries Society Annual Meeting, Tampa, FL, August 2017.
49. Dahl, K.A.*, Patterson III, W.F., **Portnoy, D.S.**, Hogan, J.D., Robertson, A., & Ortmann, A. (2017) DNA barcoding and microsatellite genotyping confirm cannibalism in northern Gulf of Mexico invasive lionfish, *Pterois volitans*. Joint Meeting of the American Society of Ichthyologists and Herpetologists, Austin, TX, July 2017.
48. Conway, K.W., Osbourne, M., Bean, M., & **Portnoy, D.S.** (2017) The plight of the Rio Grande Shiner, *Notropis jemezianus*, in the lower Rio Grande along the Texas/Mexico border. Joint Meeting of the American Society of Ichthyologists and Herpetologists, Austin, TX, July 2017.
47. Shaw, A. Adams, D., Barker, A.*, Bedore, C., Gelsleichter, J., **Portnoy, D.S.**, Reyier, Frazier, B. (2017) Trophic ecology and condition of sympatric hammerhead species in nursery habitats in the Southeast U.S. Joint Meeting of the American Society of Ichthyologists and Herpetologists, Austin, TX, July 2017.
46. Willis S.C.^, Hollenbeck, C.M., Puritz, J.B., Gold, J.R., & **Portnoy, D.S.** (2017) Dispersal is limited by distance and depth in young-of-the-year, deep-water snappers (Lutjanidae) in the U.S. Caribbean as revealed by ddRAD population genomics. Joint Meeting of the American Society of Ichthyologists and Herpetologists, Austin, TX, July 2017.
45. Willis S.C.^, Saenz, D., Wang, G., Hollenbeck, C.M., Cai, J., **Portnoy, D.S.**, & Winemiller, K. (2017) RNA-seq analysis to decipher mechanisms of osmoregulatory adaptation to divergent physicochemical conditions and its role in diversification of Amazon fishes. Joint Meeting of the American Society of Ichthyologists and Herpetologists, Austin, TX, July 2017.
44. Dimens*, P., **Portnoy, D.S.** (2017) Population structure of a migratory small coastal shark, *Carcharhinus acronotus*, across cryptic barriers to gene flow. Joint Meeting of the American Society of Ichthyologists and Herpetologists, Austin, TX, July 2017.
43. **Portnoy, D.S.** (2017) Using genomics to understand impacts of the Deepwater Horizon oil spill. Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, February 2017.
42. O'Leary^, S.J., Gold, J.R., **Portnoy D.S.** (2017) Impacts of the Deepwater Horizon oil spill on the genetic diversity of a demersal, sedentary deepwater-burrowing fish. Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, February 2017.

41. Fields[^], A.T., Puritz, J.B., Kulaw, D.H., Gold, J.R. & **Portnoy, D.S.** (2017) The effect of time, space and the Deepwater Horizon oil spill on genomic diversity in red snapper (*Lutjanus campechanus*). Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans, LA, February 2017
40. Dahl*, K.A., Patterson III, W.F., Robertson, A. Ortmann, A.C., **Portnoy, D.S.** and J. Hogan, D.J. (2016) DNA barcoding and microsatellite genotyping reveal cannibalism among invasive lionfish in the northern Gulf of Mexico. Gulf Estuarine Research Society 2016 Meeting. Pensacola, FL, November 2016
39. Cooper*, P., **Portnoy, D.S.**, and Powers, S.P. (2016) Examining population structure and disruptive selection in morphologically divergent groups of sheepshead, *Archosargus probatocephalus*: a genomic approach. Joint Meeting of the American Society of Ichthyologists and Herpetologists, New Orleans, LA, July 2016.
38. O'Leary[^], S.J., Gold, J.R. and **Portnoy D.S.** (2016) Genomics as a tool for restoration enhancement of southern flounder. Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA, July 2016.
37. Dimens*, P.V. and Portnoy D.S. (2016) Population structure of a small coastal shark, the blacknose shark *Carcharhinus acronotus*, to cryptic barriers to gene flow. Joint Meeting of Ichthyologists and Herpetologists. New Orleans, LA. July 2016
36. 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
35. Barker*, A.M., Frazier, B.S., Adams, D.H., Gelsleichter, J., and **Portnoy, D.S.** (2016) Identification and relative abundance of cryptic hammerhead sharks. Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA, July 2016
34. Swift*, D.G., and **Portnoy, D.S.** (2016). High-throughput sequencing for genetic monitoring and stock structure assessment of blacktip sharks (*Carcharhinus limbatus*). Joint Meeting of Herpetologists and Ichthyologists, New Orleans LA, July 2016
33. Willis[^], S.C., Hollenbeck, C.M., Puritz, J.B., **Portnoy, D.S.** and Gold, J.R. (2016). Low genomic divergence among king mackerel (*Scomberomorus cavalla*) in northern temperate waters of the western Atlantic Ocean revealed by ddRAD sequencing. Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA, July 2016
32. Hollenbeck[^], C.M., **Portnoy, D.S.** and Gold, J.R. (2016) Population genomics of red drum, *Sciaenops ocellatus*. Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA, July 2016.

31. Puritz[^], J. B., **Portnoy, D. S.**, Gold, J. R. (2016) Mind the gap: the effects of INDELS and over-splitting on population genetic inference from RAD sequencing. Evolution, Austin, TX, June 2016.
30. Puritz[^], J. B., **Portnoy, D. S.**, Gold, J. R. (2016) Testing the genomic impact of the DWH Oil Spill on red snapper. Gulf of Mexico Oil Spill & Ecosystem Science Conference, Tampa Bay, FL, February 2016.
29. O'Leary[^], S.J., Gold, J.R. and **Portnoy D.S.** (2016) Potential genetic impacts of the Deepwater Horizon oil spill on a demersal, sedentary deepwater-burrowing species Gulf of Mexico Oil Spill & Ecosystem Science Conference, Tampa Bay, FL, February 2016.
28. Hollenbeck, C.M., O'Leary, S.J., **Portnoy, D.S.** & Gold, J.R. (2016) Development of genomic resources for commercial and restoration aquaculture of red drum and southern flounder. World Aquaculture Society, Meeting, Las Vegas, NV, February 2016.
27. Puritz, J. B., **Portnoy, D. S.** & Gold, J. R. (2015) Variable patterns of genomic diversity in young-of-the-year Red Snapper (*Lutjanus campechanus*) in the northern Gulf of Mexico. Annual Meeting of the American Fisheries Society, Portland, OR, November 2015.
26. **Portnoy, D.S.**, Puritz, J.B., Hollenbeck, C.M. & Gold, J.R. (2015) Adaptive genetic variation and male-mediated gene flow in the bonnethead shark. Joint Meeting of Ichthyologists and Herpetologists, Reno, NV, July 2015.
25. Willis[^], S.C., Hollenbeck[^], C.M., Puritz[^], J.B., **Portnoy, D.S.** & Gold, J.R. (2015) Identifying recruitment patterns among silk snapper (*Lutjanus vivanus*) off the west coast of Puerto Rico: challenges and solutions with using ddRADseq-based single nucleotide polymorphisms. Joint Meeting of Ichthyologists and Herpetologists, Reno, NV, July 2015.
24. Selwyn*, J.D., **Portnoy, D.S.**, Heath, D.D., & Hogan J.D. (2015) Kin aggregations explain a commonly observed genetic pattern in a marine fish species. Joint Meeting of Ichthyologists and Herpetologists, Reno, NV, July 2015.
23. Barker*, A.M, Gold, J.R. & **Portnoy, D.S.** (2015) Identification, stock assessment and habitat usage of cryptic hammerhead sharks. Joint Meeting of Ichthyologists and Herpetologists, Reno, NV, July 2015.
22. Dimens*, PV, Gold, J.R. & Portnoy, **D.S.** (2015) Structural ambiguity: Population demography of the blacknose shark in the Florida Keys. Joint Meeting of Ichthyologists and Herpetologists, Reno, NV, July (2015)
21. **Portnoy, D.S.** & Gold, J.R. (2015) Oil spills, adaptation and gene flow: genomic insights for fisheries management in impacted systems. Gulf of Mexico Oil Spill and Ecosystem Science Conference, Houston, TX, Februarys 2015.

20. Hollenbeck[^], C.M., Puritz[^], J.B., **Portnoy, D.S.** & Gold, J.R. (2015) Genome-wide patterns of linkage disequilibrium in red drum. Plant and Animal Genome Conference XXIII, San Diego, CA, January 2015.
19. **Portnoy, D.S.**, Hollenbeck, C.M. & Gold J.R. (2014) Historical genetic demography and stock structure of the blacknose shark. Joint Meeting of Ichthyologists and Herpetologists, Chattanooga, TN, August 2014.
18. Giresi*, M.M., **Portnoy, D.S.**, Grubbs, R.D., Driggers, W.B. III, Skomal, G.B., McCandless, C., Frazier, B., Renshaw, M.A., Gold, J.R. (2014) Genetic population structure of the dusky smoothhound shark, *Mustelus canis*, in U.S. Waters. Joint Meeting of Ichthyologists and Herpetologists, Chattanooga, TN, August 2014.
17. Willis[^], S., Cummings, N., Puritz, J, **Portnoy, D.S.** & Gold J.R. (2014) Sources, sinks, SNPs, and snappers: population structure of deepwater snappers in protected and non-protected areas of Puerto Rico. Evolution, Raleigh, NC, June 2014.
16. Hollenbeck*, C.M. **Portnoy, D.S.** & Gold J.R. (2013) Genomic tools for inferring population processes: linkage mapping in red drum. Annual Meeting of the American Fisheries Society, Little Rock, AR.
15. **Portnoy, D.S.**, Frazier B., Giresi, M. & Gold J.R. (2013) Genetic population structure of the finetooth shark (*Carcharhinus isodon*) in the U.S. Atlantic. Joint Meeting of Ichthyologists and Herpetologists, Albuquerque, NM.
14. **Portnoy, D.S.** & Gold, J.R. (2012) Finding geographic population structure in marine fish species with high gene flow. 65th Annual meeting of the Gulf and Caribbean Fisheries Institute, Santa Marta, Colombia.
13. Giresi*, M., **Portnoy, D.S.** & Gold, J.R. (2012) Elucidating species composition of smoothhound sharks in the Gulf of Mexico. 65th Annual meeting of the Gulf and Caribbean Fisheries Institute, Santa Marta, Colombia.
12. **Portnoy, D.S.**, Cummings N.J. & Gold, J.R. (2012) Is connectivity related to adult reproductive behavior? A comparison of population structure in two protogynous groupers in the U.S. waters of the Caribbean Sea. Joint Meeting of Ichthyologists and Herpetologists, Vancouver, B.C., Canada.
11. **Portnoy, D.S.**, Conway, K.W., White*, M.D. & Gold, J.R. (2012) Searobin hybridization revisited: molecular insights on the reported hybrid zone between *Prionotus alatus* and *P. paralatus* in the northern Gulf of Mexico, inferred from external morphology. Joint Meeting of Ichthyologists and Herpetologists, Vancouver, B.C., Canada.
10. **Portnoy, D.S.** & Gold, J.R. (2012) Complex population structure in species with high gene flow: lessons from genetic assessment of stock structure in exploited snappers. Sixth World Fisheries Congress. Edinburgh, Scotland.

9. Hollenbeck*, C.M., **Portnoy, D.S.** & Gold, J.R. (2012) Design of expressed-sequence tag-linked microsatellites for non-model aquacultured species. The Plant and Animal Genome XX Conference. San Diego, CA.
8. **Portnoy, D.S.** & Gold, J.R. (2011) Evidence of a surprisingly recent vicariant event in a geologically active suture-zone in the Gulf of Mexico. Joint Meeting of Ichthyologists and Herpetologists. Minneapolis, MN.
7. Giresi*, M., Renshaw, M.A., **Portnoy, D.S.** & Gold, J.R. (2011) Preliminary assessment of stock structure in *Mustelus canis* in U.S. waters. Joint Meeting of Ichthyologists and Herpetologists. Minneapolis, MN.
6. **Portnoy, D.S.**, Hollenbeck, C.M. & Gold, J.R. (2011) Linkage mapping in the red drum, *Sciaenops ocellatus*. Texas Bays and Estuaries Meeting, Port Aransas, TX.
5. **Portnoy, D.S.** (2007) Effective number of breeders for sandbar sharks, *Carcharhinus plumbeus* (Nardo, 1827), using two nursery areas in the western North Atlantic. Joint Meeting of Ichthyologists and Herpetologists. St. Louis, MO.
4. **Portnoy, D.S.** (2006) Patterns of polyandry and reproductive skew in the sandbar shark, *Carcharhinus plumbeus*, in the western North Atlantic. Joint Meeting of Ichthyologists and Herpetologists. New Orleans LA.
3. **Portnoy, D.S.** (2005) Detection of polyandry and reproductive periodicity in the sandbar shark, *Carcharhinus plumbeus*. Abstract. Joint Meeting of Ichthyologists and Herpetologists. Tampa, FL.
2. Shumway, C.A., Hofmann, H., Sorocco, D., **Portnoy, D.S.**, Wakafumbe, R. & Kaufman, L. (2000). How does social and habitat complexity affect brain structure? Third International Conference on Complex Systems, Nashua, NH.
1. Shumway, C.A., **Portnoy, D. S.** & Dunning, A. (2000) Sex, eyes and videotape: comparing visual recognition in cichlid Fishes. Society of Neuroscience Abstracts. 567(18)

#Undergraduate Student, * Graduate Student, ^ Postdoctoral Scholar

Research Funding

(When noted MGL=Portnoy lab portion, TAMUCC=University portion, Total= grant total. If not noted Portnoy lab portion = grant total)

2020 Florida Wildlife Commission. Invasive lionfish genome mapping: First steps toward facilitating population control via gene editing. PIs William Patterson, **David S Portnoy** and Christopher Hollenbeck (MGL \$88,905, Total: \$95,112)

2020 Discovery Channel. Hazmat Production. Great Hammerhead Shark Project, PI David S Portnoy (\$10,000).

- 2019 State Wildlife Grant, TPWD. Genomic tools for determining abundance and distribution of *Menidia clarkhubbsi*: Phase 1. PIs J. Derrek Hogan, **David S. Portnoy** and Kevin Conway (\$100,000)
- 2019 State Wildlife Grant, TPWD. SNP-panels for monitoring output for southern flounder and other TPWD hatchery species. PI **David S Portnoy** (\$92,981).
- 2018 Marine Fisheries Initiative Program, NOAA. Population structure, connectivity, and life history of three exploited groupers (Family Serranidae) in the U.S. South Atlantic and Gulf of Mexico. PIs **David S Portnoy** and Shannon O'Leary^ (\$346,978).
- 2018 Cooperative Research Program, NOAA. Stock structure and life history of the spinner shark, *Carcharhinus brevipinna*, in U.S. waters. PIs **David S Portnoy** and Bryan Frazier (\$187,515).
- 2018 State Wildlife Grant, TPWD. Characterization of sex-determining regions in southern flounder and other TPWD hatchery species. PIs **David S Portnoy** and Shannon O'Leary^ (\$98,574).
- 2018: TPWD, Genotyping of hatchery broodfish. PI, **David S Portnoy** (\$9,950).
- 2018 Gulf of Mexico Research Institute. C-IMAGE-III, PI Steve Murawski, Genomics component. Co-PI **David S Portnoy** (MGL: \$105,108; TAMUCC: \$138,500; Total: \$5,098,032).
- 2017: Mississippi-Alabama Sea Grant Consortium. Estimating the absolute abundance of red snapper in the U.S. Gulf of Mexico, PI Greg Stunz, Genomics Component. Co-PI **David S Portnoy** (MGL: \$50,000; TAMUCC: \$9,300,605)
- 2017: State Wildlife Grant, TPWD. Identification and delineation of critical shark nursery habitat surrounding Corpus Christi Bay. PI **David S. Portnoy** (\$9,655).
- 2017: TPWD, Genotyping of hatchery broodfish. PI, **David S Portnoy** (\$9,950).
- 2016: TPWD, Genotyping of hatchery broodfish. PI, **David S Portnoy** (\$9,950).
- 2016: State Wildlife Grant Identification of shark nurseries along the Texas coast. Co-PIs, David Wells and **David S Portnoy** (MGL: \$37,964; Total: \$100,000)
- 2016: Saltonstall-Kennedy Grant Program, NOAA. Stock structure and life history of the bonnethead, *Sphyrna tiburo*, in U.S. waters (MGL: \$145,074, Total: \$282,498). Co-PIs, Bryan Frazier and **David S Portnoy**
- 2016: Cooperative Research Program, NOAA. Post-release survivorship and life history traits of scalloped and great hammerhead sharks from U.S. Atlantic waters.

- (MGL: \$32,909, Total: \$249,073). Co-PIs, R. Dean Grubbs, James Gelsleichter, Bryan Frazier and **David S Portnoy**
- 2016: Texas OneGulf. Restoring and enhancing structurally complex nursery habitat to enhance reef fish populations, PI Antoinetta Quigg, Genomics component. Co-PI **David S Portnoy** (MGL: \$23,098, Total: \$223,752)
- 2015: State Wildlife Grant, TPWD. Population structure, connectivity, and genetic demographics of southern flounder (*Paralichthys lethostigma*) in Texas bays and estuaries. Co-PIs, **David S. Portnoy** and John R. Gold (\$64,452).
- 2015: Texas Research and Development Fund. Impacts of sewage effluent on genomic diversity and connectivity of marine intertidal communities. Co-PIs, **David S. Portnoy**, John R. Gold and Jonathan B. Puritz (\$20,000).
- 2015: Gulf of Mexico Research Institute. C-IMAGE-II, PI Steve Murawski, Genomics Component. Co-PIs, **David S Portnoy** and John R Gold (MGL: \$305,105; TAMUCC: \$1,116,000; Total: \$20,247,046).
- 2015: TPWD. Genotyping of hatchery broodfish. Co-PIs, **David S Portnoy** and John R Gold (\$9,950).
- 2014: State Wildlife Grant, TPWD. Identification and delineation of critical shark nursery habitat surrounding Corpus Christi Bay. PI **David S. Portnoy** (\$75,486).
- 2014: State Wildlife Grant, TPWD. A genetic map of southern flounder (*Paralichthys lethostigma*). Co-PIs, John R Gold and **David S. Portnoy** (\$47,580).
- 2014: Cooperative Research Program, NOAA. Genetic monitoring and stock structure of two large coastal sharks, using high throughput next-generation sequencing. Co-PIs, **David S. Portnoy** and John R. Gold (\$157,709).
- 2014: Competitive State Wildlife Grant, U.S. Fish and Wildlife Service. Relative abundance and trophic ecology of two sympatrically distributed sphyrnids, the scalloped hammerhead (*Sphyrna lewini*) and the recently discovered Carolina hammerhead (*Sphyrna gilberti*) within known nurseries off the East Coast of the United States. Co-PIs, Bryan Frazier, **David S. Portnoy** and John R. Gold (MGL: \$150,251, Total: \$394,948).
- 2014: Cooperative Endangered Species Conservation Fund, TPWD. On the brink yet under the radar: rapid conservation genetic assessment of the highly imperiled Rio Grande shiner (*Notropis jemezanus*) and development of management tools. Co-PIs, Kevin W. Conway, **David S. Portnoy** and John R. Gold (MGL: \$32,692, Total: \$67,083).
- 2014: College-Level Faculty Research Enhancement Grant. Co-PIs **David S. Portnoy**, Yong-Woo Lee and Mark Fisher (\$2,700).

- 2012: Sea Grant Aquaculture Research, NOAA. Use of next generation DNA sequencing to inform regulatory decisions regarding spatial sites for marine aquaculture in the Gulf of Mexico. Co-PIs, John R. Gold and **David S. Portnoy** (\$218,050).
- 2012: Marine Fisheries Initiative Program, NOAA. Stock structure, connectivity, and effective population size of red snapper (*Lutjanus campechanus*) in U.S. waters of the Gulf of Mexico. Co-PIs, John R. Gold and **David S. Portnoy** (\$243,940).
- 2012: Cooperative Research Program, NOAA. Stock structure of the smooth dogfish (*Mustelus canis*) in U.S. waters. Co-PIs, John R. Gold and **David S. Portnoy** (\$95,744).
- 2012: Cooperative Research Program, NOAA. Population genetic and demographic studies of three deep-water snapper species inside and outside of marine protected areas (MPAs) off the west coast of Puerto Rico. Co-PIs, John R. Gold and **David S. Portnoy** (\$189,878).
- 2011: Cooperative Research Program, NOAA. Stock structure of finetooth shark (*Carcharhinus isodon*) in U.S. waters. Co-PIs, John R. Gold and **David S. Portnoy** (\$93,808).
- 2010: Saltonstall-Kennedy Grant Program, NOAA. Population structure, gene flow and genetic demography of the blacknose shark (*Carcharhinus acronotus*) in U.S. waters and genetic marker development for the smooth dogfish (*Mustelus canis*). Co-PIs, John R. Gold and **David S. Portnoy** (\$240,463).
- 2010: Cooperative Research Program, NOAA. Development of genetic markers for blacknose (*Carcharhinus acronotus*) and finetooth (*Carcharhinus isodon*) sharks. Co-PIs, John R. Gold and **David S. Portnoy** (\$86,419).
- 2010: Cooperative Research Program, NOAA. Re-evaluation of reproductive biology and population structure of the blacknose shark *Carcharhinus acronotus* in U.S. waters. CoPIs, James Gelsleichter University of North Florida, and **David S. Portnoy** (\$12,362).
- 2007: Lerner Gray Fund for Marine Research. Using molecular markers and acoustic tagging to understand the reproductive biology of the sandbar shark, *Carcharhinus plumbeus* (Nardo 1827). **David S. Portnoy** (\$1,300).
- 2006: VIMS Eastern Shore Student Grant. Using molecular markers and acoustic tagging to understand reproductive periodicity and philopatry in the sandbar shark, *Carcharhinus plumbeus*. **David S. Portnoy** (\$3,788).
- 2000: Prescott Fund for Marine Conservation Research. Reducing bycatch: exploring cod visual responses to nets. Co-PIs, Caroly Shumway, Christopher Glass and **David S. Portnoy** (\$10,000).

^ Postdoctoral Scholar

Awards

2003: William J. Hargis, Jr. Fellowship Award (\$1,100), The Virginia Institute of Marine Science, Gloucester Point, VA.

2002-2005: School of Marine Science Fellowship (Tuition and Stipend- \$80,000), The Virginia Institute of Marine Science, Gloucester Point, VA.

Graduate Student Committee Membership:

1. Ahern, Beth^ (MSc.), Department of Life Sciences, Texas A&M – Corpus Christi
2. Andrews, Jen^ (MSc.), Department of Life Sciences, Texas A&M – Corpus Christi
3. Barker, Amanda* (Ph.D.), Department of Life Sciences, Texas A&M – Corpus Christi
4. Beeken, Natalie* (MSc.) Department of Life Sciences, Texas A&M – Corpus Christi
5. Boeck, Hailey (Msc.) Department of Life Sciences, Texas A&M – Corpus Christi
6. Bynum, Adam (Msc.) Department of Life Sciences, Texas A&M – Corpus Christi
7. Chelikowsky, Derrick (Ph.D.) Department of Life Sciences, Texas A&M – Corpus Christi
8. Cooper, Pearce (Ph.D.), University of South Alabama
9. Deak, Kristina (Ph.D.), University of South Florida
10. Dimens, Pavel*^ (MSc.), Department of Life Sciences, Texas A&M – Corpus Christi
11. Downey-Wall, Alan^ (MSc.), Department of Life Sciences, Texas A&M – Corpus Christi
12. Dahl, Kristen^ (Ph.D.), School of Natural Resources and the Environment, University of Florida.
13. Martin French (MSc.), Department of Life Sciences, Texas A&M – Corpus Christi
14. Gurski, Lauren^ (Ph.D.), Department of Life Sciences, Texas A&M – Corpus Christi
15. Heim, Heidi (Ph.D.), Department of Life Sciences, Texas A&M – Corpus Christi
16. Hunt, Lizz*(MSc.^, Ph.D.), Department of Life Sciences, Texas A&M – Corpus Christi
17. Johnson, Kendall (Ph.D.), Department of Life Sciences, Texas A&M – Corpus Christi
18. Kibler, Geoffrey^ (MSc.), Department of Life Sciences, Texas A&M – Corpus Christi
19. King, Cragen^ (MSc.), Texas A&M University, College Station
20. Mendoza, Veronica (Ph.D.), Centro de Investigaciones Biológicas del Noroeste
21. Norris, Bryan^ (MSc.), Department of Life Sciences, Texas A&M – Corpus Christi
22. Selwyn, Jason (Ph.D.), Department of Life Sciences, Texas A&M – Corpus Christi
23. Saini, Deepjot*^ (MSc.), Department of Life Sciences, Texas A&M – Corpus Christi
24. Steele, Anna (Ph.D.) University of Trinidad and Tobago
25. Trejo, Aline* (MSc.) Department of Life Sciences, Texas A&M – Corpus Christi
26. Swift, Dom* (Ph.D.), Department of Life Sciences, Texas A&M – Corpus Christi
27. Wallen, Julia* (MSc.) Department of Life Sciences, Texas A&M – Corpus Christi
28. Webber, David* (Ph.D.) Department of Life Sciences, Texas A&M – Corpus Christi
29. White, MaCauley^ (MSc.), Department of Life Sciences, Texas A&M – Corpus Christi

* Advisor, **Co-Advisor, ^ Graduated

Other Student Mentorship

Giresi, Melissa^ (PhD.), Department of Biology, Texas A&M University
Hollenbeck, Chris^ (PhD) Department of Genetics, Texas A&M University

Undergraduate Researchers

Zoie Lalonde, Spring 2019-Current
Robert Bretzing-Tungate*, Spring 2019-Current
Alex Grieme, Fall 2017-Spring 2019
Kat Hamilton*, Spring 2018
Julia Wallen, Fall 2016-Summer 2017
Osagie Vigilant, Spring 2017-Summer 2017
Elizabeth Murphy, Summer 2015- Summer 2017
Marina Partain, Summer 2015 – Spring 2016
Alex Negrete, Summer 2015- Fall 2015
*McNair Scholar

Graduate Student Awards

Swift, Dom	Texas Sea Grant Grants in Aid for Student Research (2019-2020)
Swift, Dom	Save Our Seas Foundation (2019-2020)
Swift, Dom	Texas Sea Grant Grants in Aid for Student Research (2018-2019)
Barker, Amanda	Texas Sea Grant Grants in Aid for Student Research (2015-2016)
Dimens, Pavel	Texas Sea Grant Grants in Aid for Student Research (2015-2016)
Swift, Dom	Texas Sea Grant Grants in Aid for Student Research (2015-2016)

Community Service

Spring 2017... Speaker, Marine Science Day – St Patrick School
Spring 2016 Panelist, Dispatches From the Gulf- Corpus Christi Museum of Science and History
Spring 2014 Speaker, Ocean Science Month – St. James Episcopal School
Spring 2014 Speaker, West Oso ISD Career Day

Service

Faculty Search Committee, Marine Fisheries (Fall 2013)
Faculty Search Committee, Marine Genomics (Spring 2014)
Faculty Search Committee, Early Life History of Fishes (Fall 2014)
Faculty Search Committee, Professional Assistant Professor (Summer 2016)
Faculty Search Committee, CRI Hire (Spring 2018)
Faculty Search Committee, Marine Biologist (Fall 2018-Spring 2019)
Faculty Search Committee, Conservation Biologist (Spring 2020)
CRI Aquaculture Genetics Proposal Committee (2015)
NSF MRI Internal Competition Committee (Spring 2019)
USDA FFAR Internal Competition Committee (Spring 2020)
Island Day (2014-2019)
University Scholarship Committee (2015-2017)
Science and Engineering Scholarship Committee (2015-2017)
Scientific Communications, Course Design Committee (Fall 2018)
Science and Engineering Curriculum Committee (2017-2019)
University Academic Integrity Committee (2019-present)
MARB IDP Curriculum Committee (2016-present)
MARB Executive Committee (2019-present)
Genomics Core Board (2013-present)
LSCI Teaching Evaluation Committee (2020-Present).
FAMA Awards Committee (ad hoc)
MARB Faculty
FAMA Faculty
BIOL Faculty

Other Service

Contributor to the Biodiversity Research and Teaching Collections, Texas A&M
Participant in 2013 Tri-national Initiative Meeting
Participant in 2014 Elasmobranch Population Genetics Workshop
Participant in 2015 Gulf of Mexico Sea Turtle Workshop
Participant in 2016 Gulf of Mexico Red Snapper Workshop
Student Poster Awards Committee at 2016 Joint Meeting of Ichthyologists and Herpetologists
Gruber, Student Awards Committee at 2017 Joint Meeting of Ichthyologists and Herpetologists
Tech-Surge Panelist at 2018 Gulf of Mexico Oil Spill & Ecosystem Science Conference.
Invited Speaker, Continuing Education Session, Texas Chapter of the American Fisheries Society Annual Meeting, 2018.
Review Panel, Florida Restore Program, 2018.
Invited Speaker, NMFS Fisheries Observer Program Training, 2018.
Texas Parks and Wildlife, Sharks and Rays Working Group, 2019
GoMRI Synthesis Core Area 3 Workshop Participant, 2019
SEDAR68 Scamp Stock IF Genetics Working Group, 2019

Professional Affiliations

American Society of Ichthyologists and Herpetologists
American Elasmobranch Society
American Fisheries Society

Peer-reviews

Aquaculture, Aquatic Biology, Aquatic Living Resources, Biology Letters, Bulletin of Marine Science, Canadian Journal of Fisheries Research, Conservation Genetics, Copeia, Endangered Species Research, Environmental Biology of Fishes, Fisheries Research, Genetica, Genome Biology and Evolution, Gulf of Mexico Science, Heredity, ICES Journal of Marine Science, Journal of Aquaculture Research & Development (past editorial board member), Journal of Experimental Marine Biology, Journal of Fish Biology, Journal of Heredity, Journal of the Marine Biological Association of the United Kingdom, Marine Ecology Progress Series, Molecular Biology Reports, Molecular Ecology, Molecular Ecology Resources, Molecular Phylogenetics and Evolution, Nature – Scientific Reports, PLOS-ONE, Southeastern Naturalist (guest subject editor)