

## CURRICULUM VITAE

Joseph Michael Quattro

Marine Science Program  
Department of Biological Sciences  
University of South Carolina  
Columbia, South Carolina 29208  
Voice: 803-777-3240  
Fax: 803-777-4002  
E-mail: JosephQ@mailbox.sc.edu

### EDUCATION:

1991-1994 Sloan Postdoctoral Fellow, Stanford University.  
1986-1991 Ph.D., Ecology, Rutgers University.  
1986 M.S., Fisheries Management, Frostburg State University.  
1983 B.A., Biochemistry/Molecular Biology, University of Maryland.

### PROFESSIONAL POSITIONS:

2016 - present: Graduate Director, School of the Earth, Ocean and Environment  
2010-2013: USC Graduate Council (Elected; Chair, 2012-2013)  
2009 - present: Professor, Department of Biology, Program in Marine Science,  
University of South Carolina  
2009 - Faculty Advisor, USC SCUBA Club  
2008 – 2013: Director of Graduate Studies, MEERM, School of the Environment  
2008 – 2009: Director of Undergraduate Studies, Marine Science Program  
2008 - Faculty Associate, Carolina Judicial Council  
2006 - 2008: Director of Undergraduate Studies, School of the Environment  
2003 - 2005: Sabbatical Appointment, Visiting Scientist, NOAA/NOS/CCEHBR  
2001 - 2003: Director of Graduate Studies, Program in Marine Science,  
University of South Carolina  
2000 - 2009: Associate Professor, Department of Biology, Program in Marine Science,  
University of South Carolina  
1999 - 2000: Faculty Advisor, MSUS  
1995 - 2000: Assistant Professor, Department of Biology, Program in Marine Science,  
University of South Carolina  
1991 – 1994: Alfred P. Sloan Postdoctoral Fellow, Stanford University.  
1987 - 1991: Research Assistant, Center for Theoretical and Applied Genetics,  
Rutgers University.  
1986 - 1987: Laboratory Instructor, Introductory Biology, Rutgers University.  
1986: Instructor, Electrophoretic Techniques, University of Maryland.  
1983 - 1986: Graduate Research Assistant, University of Maryland.  
1985: Laboratory Instructor, Introductory Biology, Frostburg State University.

### AWARDS:

2014: Excellence in Teaching, Mortar Board Award, National College Senior Honor Society  
2013: OUR Distinguished Undergraduate Research Mentor  
2012: Mungo Undergraduate Teaching Award, USC  
1991-1994: Sloan Postdoctoral Fellowship

## PUBLICATIONS:

1. Quattro, J. M., E. J. Zimmerer, and R. C. Vrijenhoek. 1989. Breakdown of hybridogenesis in synthetic hybrids of *Poeciliopsis*. *Isozyme Bulletin* **22**:78.
2. Quattro, J. M., R. P. Morgan II, and R. W. Chapman. 1990. Mitochondrial DNA variability in brook trout populations from western Maryland. *Transactions of the American Fisheries Society* **7**:470-474.
3. Quattro, J. M. and R. C. Vrijenhoek. 1990. Fitness differences among remnant populations of the endangered Sonoran topminnow (*Poeciliopsis occidentalis*). *Science* **245**:976-978.
4. Quattro, J. M., and S. C. Weeks. 1991. Correlation between egg size and egg energetic content within and among biotypes of the genus *Poeciliopsis*. *Journal of Fish Biology* **38**:331-334.
5. Weeks, S. C. and J. M. Quattro. 1991. Life-history plasticity under resource stress in a clonal fish (Poeciliidae: *Poeciliopsis*). *Journal of Fish Biology* **39**:485-494.
6. Quattro, J. M., J. C. Avise, and R. C. Vrijenhoek. 1991. Molecular evidence for multiple origins of hybridogenetic fish clones (Poeciliidae: *Poeciliopsis*). *Genetics* **127**:391-398.
7. Quattro, J. M., J. C. Avise, and R. C. Vrijenhoek. 1992. An ancient clonal lineage in the fish genus *Poeciliopsis* (Atheriniformes: Poeciliidae). *Proceedings of the National Academy of Science, USA* **89**:348-352.
8. Quattro, J. M., J. C. Avise, and R. C. Vrijenhoek. 1992. Mode of origin and sources of genotypic diversity in triploid gynogenetic fish clones (*Poeciliopsis*: Poeciliidae). *Genetics* **130**:621-628.
9. Excoffier, L. E., P. E. Smouse, and J. M. Quattro. 1992. Analysis of molecular variance inferred from metric distances among DNA haplotypes: Application to human mitochondrial DNA restriction data. *Genetics* **131**:479-491.
10. Avise, J. C., J. M. Quattro, and R. C. Vrijenhoek. 1992. Molecular clones within organismal clones: Mitochondrial DNA phylogenies and the evolutionary history of unisexual vertebrates. *Evolutionary Biology* **26**:225-246.
11. Quattro, J. M., H. A. Woods, and D. A. Powers. 1993. Sequence analysis of teleost retina-specific lactate dehydrogenase-C: Evolutionary implications for the vertebrate lactate dehydrogenase gene family. *Proceedings of the National Academy of Science, USA* **90**:242-246.

12. Quattro, J. M., D. D. Pollock, M. Powell, H. A. Woods, and D. A. Powers. 1995. Evolutionary relationships among vertebrate muscle-type lactate dehydrogenases. *Molecular Marine Biology and Biotechnology* **4**:224-231.
13. Quattro, J. M., P. M. Leberg, M. E. Douglas, and R. C. Vrijenhoek. 1996. Molecular evidence for a unique lineage of endangered Sonoran Desert fish (Genus *Poeciliopsis*). *Conservation Biology* **10**: 128-135.
14. Byrd, C. A., P. C. Brunjes, J. Jones, J. M. Quattro, M. Rogers, and R. G. Vogt. 1996. Ontogeny of Odorant Receptor Gene Expression in the Zebrafish, *Danio rerio*. *Journal of Neurobiology* **29**: 445-458.
15. Graves, J.E., J.R. Gold, B. Ely, J.M. Quattro, C. Woodley, and J.M. Dean. 1996. Population Genetic Structure of Bluefin Tuna in the North Atlantic Ocean. Identification of Variable Genetic Markers. *Col. Vol. Sci. Pap. ICCAT* **45**:155-157.
16. Schizas, N. V., G. T. Street, B. C. Coull, G. T. Chandler, and J. M. Quattro. 1997. An Efficient DNA Extraction Method for Small Metazoans. *Molecular Marine Biology and Biotechnology* **6**: 381-383.
17. Stock, D. W., J. M. Quattro, G. S. Whitt, and D. A. Powers. 1997. Lactate dehydrogenase (LDH) gene duplication during chordate evolution: the cDNA sequence of the LDH of the tunicate *Styela plicata*. *Molecular Biology and Evolution* **14**:1273-1284.
18. Stoner, D. S., J. M. Quattro, and I. L. Weissman. 1997. Highly polymorphic microsatellite loci in the colonial ascidian *Botryllus schlosseri*. *Molecular Marine Biology and Biotechnology* **6**:163-171.
19. James, R. A., P. L. Leberg, J. M. Quattro, and R. C. Vrijenhoek. 1997. Genetic diversity in black howler monkeys (*Alouatta pigra*) from Belize. *American Journal of Physical Anthropology* **102**:329-336.
20. Chase, M. R., R. J. Etter, M. A. Rex, and J. M. Quattro. 1998. Extraction and amplification of mitochondrial DNA from formalin-fixed deep-sea mollusks. *Biotechniques* **24**:243.
21. Etter, R. J., M. Chase, M. A. Rex and J. M. Quattro. 1998. Bathymetric patterns of genetic variation in a deep-sea protobranch bivalve. *Marine Biology* **131**: 301-308.
22. Merritt, T. J. S., S. LaForest, G. D. Prestwich, J. M. Quattro, and R. G. Vogt. 1998. Patterns of gene duplication in lepidopteran pheromone binding proteins. *Journal of Molecular Evolution* **46**:272-276.
23. Merritt T. J. S., L. Shi, M. C. Chase, M. A. Rex, R. J. Etter, and J. M. Quattro. 1998. "Universal" Cytochrome b Primers Facilitate Intraspecific Comparisons in Molluscan Taxa. *Molecular Marine Biology and Biotechnology* **7**:7-11
24. Bailey, K. M., D. A. Powers, J. M. Quattro, R. G. Villa, A. Nishimura, J. J. Traynor, and G. Walters. 1999. Population Ecology and Structural Dynamics of Walleye Pollock (*Theragra*

*chalcogramma*). Pages 581-614 In: Dynamics of the Bering Sea (eds.T. Loughlin and K. Ohtani). Alaska Sea Grant Press.

25. Jones, W. J. and J. M. Quattro. 1999. Genetic Structure of Summer Flounder (*Paralichthys dentatus*) Populations North and South of Cape Hatteras. *Marine Biology* **133**:129-135.
26. Quattro, J. M. and W. J. Jones. 1999. Amplification Primers That Target Locus-Specific Introns in Actinopterygian Fishes. *Copeia* **1999**:171-176.
27. Jones, W. J. and J. M. Quattro. 1999. Phylogenetic Affinities of Pygmy Sunfishes (*Elassoma*) Inferred from Mitochondrial DNA Sequences. *Copeia* **1999**:470-476.
28. Etter, R. J., M. A. Rex, M. C. Chase and J. M. Quattro. 1999. A genetic dimension to deep-sea biodiversity. *Deep Sea Research Part I: Oceanographic Research Papers* **46**:1095-1099.
29. Grady, J. M. and J. M. Quattro. 1999. Using Character Concordance to Define Taxonomic and Conservation Units. *Conservation Biology* **13**:1004-1007
30. Bennetts, R. Q., J. M. Grady, F. C. Rohde, and J. M. Quattro. 1999. Discordant Patterns of Morphological and Molecular Change in Broadtail Madtoms (Genus *Noturus*). *Molecular Ecology* **8**:1563-1570.
31. Schizas, N. V., G. T. Street, B. C. Coull, G. T. Chandler, and J. M. Quattro. 1999. Molecular population structure of the marine benthic copepod *Microarthridion littorale* along the southeastern and Gulf coasts of the United States. *Marine Biology* **135**:399-405.
32. Collins, M. R., T. I. J. Smith, K. Ware, and J. M. Quattro. 1999. Culture and Stock Enhancement of Shortnose and Atlantic Sturgeons. *Bulletin of the National Research Institute of Aquaculture, Supplement* **1**:101-108.
33. Lovell, C. R., Y. M. Piceno, J. M. Quattro, and C. E. Bagwell. 2000. Molecular Analysis of Diazotroph Diversity in the Rhizosphere of the Smooth Cordgrass, *Spartina alterniflora*. *Applied Environmental Microbiology* **66**:3814-3822
34. Kovatch, C. E., N. V. Schizas, G. T. Chandler, B. C. Coull, and J. M. Quattro. 2000. Tolerance and genetic relatedness of three meiobenthic copepod populations exposed to sediment-associated contaminant mixtures: Role of environmental history. *Environmental Toxicology and Chemistry* **19**:912-919.
35. Quattro, J.M., W. J. Jones, and F. C. Rohde. 2001. Evolutionarily Significant Units of Rare Pygmy Sunfishes (Genus *Elassoma*). *Copeia* **101**:514-520.
36. Quattro, J. M., W. J. Jones, J. M. Grady, and F. C. Rohde. 2001. Gene-Gene Concordance and the Phylogenetic Relationships Among Rare and Widespread Pygmy Sunfishes (Genus *Elassoma*). *Molecular Phylogenetics and Evolution* **18**:217-226 .

37. Grady, J. M., D. K. Coykendall, B. B. Collette, and J. M. Quattro. 2001. Taxonomic diversity, origin, and conservation status of Bermuda killifishes (*Fundulus*) based on mitochondrial cytochrome b phylogenies. *Conservation Genetics* **2**:41-52.
38. Schizas, N. V., G. T. Chandler, B. C. Coull, S. L. Klosterhaus, and J. M. Quattro. 2001. Differential Survival of Three Mitochondrial Lineages of a Marine Benthic Copepod Exposed to a Pesticide Mixture. *Environmental Science and Technology* **35**:535-538.
39. Merritt, T. J. M. and J. M. Quattro. 2001. Evidence for a Period of Directional Selection Following Gene Duplication in a Neurally Expressed Locus of Trisephosphate Isomerase. *Genetics* **159**: 689-697.
40. Quattro, J. M., W. J. Jones and K. J. Oswald. 2001. PCR Primers for an Aldolase-B Intron in Acanthopterygian Fishes. *BMC Evolutionary Biology* 1:9.
41. Quattro, J. M., M. R. Chase, M. A. Rex , T. W. Greig, and R. J. Etter. 2001. Extreme Mitochondrial DNA Divergence Within Populations of the Deep-Sea Gastropod *Frigidoalvania brychia*. *Marine Biology* **139**:1107-1113.
42. Staton, J. L., N. V. Schizas, G. T. Chandler, B. C. Coull, and J. M. Quattro. 2001. Ecotoxicology and population genetics: the emergence of "phylogeographic and evolutionary ecotoxicology". *Ecotoxicology* **10**:217-222.
43. Quattro, J. M., T. W. Greig, D. K. Coykendall, B.W. Bowen and J. D. Baldwin. 2002. Genetic Issues in Aquatic Species Management: the Shortnose Sturgeon (*Acipenser brevirostrum*) in the Southeastern United States. *Conservation Genetics* **3**:155-166.
44. Ely, B., Stoner, D. S., Alvarado Bremer, J. R., Dean, J. M., Addis, P., Cau, A., Thelen, E. J., Jones, W. J., Black, D. E. Smith, L. Scott, K. Naseri, I. and Quattro, J. M. 2002. Analyses of nuclear ldhA gene and mtDNA control region sequences of Atlantic northern bluefin tuna populations. *Marine Biotechnology* 4:583-588.
45. Schizas, N. V., B. C. Coull, G. T. Chandler and J. M. Quattro. 2002. Sympatry of distinct mitochondrial DNA lineages in a copepod inhabiting estuarine creeks in the southeastern USA. *Marine Biology* **140**: 585-594
46. Moore, M. K., J. A. Bemiss, S. M. Rice, J. M. Quattro, and C. M. Woodley. 2003. Use of Restriction Fragment Length Polymorphisms to Identify Sea Turtle Eggs and Cooked Meats to Species. *Conservation Genetics* 4:95-103.
47. Merritt, T. J. S. and J. M. Quattro. 2003. Negative Charge Correlates With Neural Expression in Vertebrate Aldolase Isozymes. *Journal of Molecular Evolution* 55:674 – 683.
48. Merritt, T. J. S. and J. M. Quattro. 2003. Evolution Of The Vertebrate Cytosolic Malate Dehydrogenase Gene Family: Duplication and Divergence in Actinopterygian Fishes. *Journal of Molecular Evolution* 56:265-276.

49. Stoner, D. S., J. M. Grady, K. A. Priede and J. M. Quattro. 2003. Amplification Primers for Mitochondrial and Nuclear DNA Loci in Elasmobranch Fishes. *Conservation Genetics* 4:805-808.
50. Collins, M.R., D. Cooke, B. Post, J. Crane, J. Bulak, T.I.J. Smith, T.W. Greig and J.M. Quattro. 2003. Shortnose sturgeon in the Santee-Cooper Reservoir system, South Carolina. *Transactions of the American Fisheries Society* 132:1244-1250.
51. Greig, T.W., M.K. Moore, C.M. Woodley and J. M. Quattro. 2004. Mitochondrial gene sequences useful for species identification of western North Atlantic Ocean sharks. *Fisheries Bulletin* 103:516–523.
52. Etter, R.J, M.A. Rex, M.R. Chase and J.M. Quattro. 2005. Population Differentiation Increases with Depth in Deep-Sea Bivalves. *Evolution* 59: 1479–1491.
53. Roberts, M., C.A. Anderson, J.M. Grady and J.M. Quattro. 2005. Estimated contribution of Atlantic coastal loggerhead turtle nesting populations to offshore feeding aggregations. *Conservation Genetics* 6:133-39.
54. Merritt, T.J.S., C.R. Young, R.G. Vogt, R.C. Wilkerson and J.M. Quattro. 2005. Intron Retention Identifies a Malaria Vector within the *Anopheles (Nyssorhynchus) albitaris* Complex (Diptera: Culicidae). *Molecular Phylogenetics and Evolution*, 35:719-724.
55. Krabbenhoft, T.J., F.C. Rohde and J.M. Quattro. 2005. Threatened fishes of the world: *Menidia extensa* (Hubbs & Raney 1946) (Atherinopsidae). *Environmental Biology of Fishes* 73:48.
56. Quattro, J.M., D.S. Stoner, J. M. Grady, W. B. Driggers, and K. A. Priede. 2006. Molecular Evidence for a Cryptic Species of Hammerhead Shark (Genus *Sphyrna*). *Marine Biology* 148:1143-1155.
57. Griffitt, R.J., G.T. Chandler, T.W. Greig, and J.M. Quattro. 2006. Cathepsin B and Glutathione Peroxidase Show Differing Transcriptional Responses in the Grass Shrimp, *Palaemonetes pugio* Following Exposure to Three Xenobiotics. *Environ. Sci. Technol.* 40:3640-3645.
58. Krabbenhoft, T.J., F.C. Rohde and J.M. Quattro. 2006. Threatened Fishes of the World: *Etheostoma perlongum* (Hubbs and Raney 1946) (Percidae). *Environmental Biology of Fishes* 76:411-412.
59. Barwick, D.H., K.J. Oswald, J.M. Quattro and R.D. Barwick. 2006. Redeye Bass (*Micropterus coosae*) and Alabama Spotted Bass (*M. punctulatus henshalli*) Hybridization in Keowee Reservoir. *Southeastern Naturalist* 5: 661–668.
60. Griffitt, R.J., G.T. Chandler, T.W. Greig, and J.M. Quattro. 2007. Serial Analysis of Gene Expression (SAGE) reveals identifiable patterns in transcriptome profiles of *Palaemonetes pugio* exposed to three common environmental stressors. *Environ Toxicol Chem.* 26:2413-2419.

61. Hoffmayer, E. R., J. S. Franks, W. B. D. III, and K. J. Oswald and J. M. Quattro. 2007. Observations of a feeding aggregation of whale sharks, *Rhincodon typus*, in the north central Gulf of Mexico. *Gulf and Caribbean Research* 19:69-74.
62. Driggers, W.B. III, Ingram, G.W. Jr., Grace, M.A., Carlson, J.K., Ulrich, G.F., Sulikowski, J.A. and Quattro, J.M. 2007. Life history and population genetics of blacknose sharks, *Carcharhinus acronotus*, in the South Atlantic Bight and the northern Gulf of Mexico. NMFS Small Coastal Shark Southeast Data Review. SEDAR 13-DW17.
63. Kupfer, JA, M.A. Roberts, S. Walker, J.L. Pinckney, J.E. Moore, J.M. Quattro and S.B. Franklin. 2007. Ecological impacts and coastal ecosystem resiliency following Hurricane Katrina. *Southeastern Biology* 54: 407-418.
64. Fontana, F., T.J. Smith, K. Ware, S. Doroshov, V. Mudrak, and J. Quattro. 2008. Evidence of hexaploid karyotype in shortnose sturgeon. *Genome* 51:113-117.
65. Krabbenhoft TJ, Rohde FC, Quattro JM. 2008. Concordant mitochondrial and nuclear DNA partitions define Evolutionarily Significant Units in the imperiled pinewoods darter, *Etheostoma mariae* (Pisces:Percidae). *Copeia* 2008:909-915.
66. Bangs, M.R., Quattro, J.M., Oswald, K.J., and J. Leitner. 2008. Creating a database for identifying two subspecies of largemouth bass (*Micropterus salmoides*). *MarSci*. 2008.06.080601.
67. Oswald, K.J., J. M. Grady and J. M. Quattro. 2009. Concordant And Discordant Analyses Of Population Genetic Variation Identify A Complex Evolutionary History For Inland Silverside (*Menidia beryllina*). *Heredity*100:526-532.
68. Oswald, K.J., J. M. Grady, F.C. Rohde , R.G. Arndt and J.M. Quattro. 2009. Mitochondrial and Nuclear Gene Phylogenies Define Evolutionarily Significant Units for the *collis* species Group. *Animal Conservation* 12:374-383.
69. Krabbenhoft, T.J., M.L. Collyer and J.M. Quattro. 2009. Comparative Morphological Divergence Across Phylogenetically and Ecologically Disparate Taxa: Convergent Evolution of Endemic Fishes of Lake Waccamaw, North Carolina. *Proceedings of the Royal Society London* 98:636-645.
70. Snelson, F.F., T.J. Krabbenhoft and J.M. Quattro. 2009. *Elassoma gilberti*, A New Species of Pygmy Sunfish (Elassomatidae) from Florida and Georgia. *Bulletin of the Florida Museum of Natural History* 48:119-144.
71. Godbout, J.D, D.D Aday, J.A. Rice, M.R. Bangs and J.M. Quattro. 2010. Morphological models for identifying largemouth, spotted, and largemouth X spotted bass. *North American Journal of Fisheries Management* 29:1425-1437.
72. Muhling, B.A., Lamkin, J.T., Quattro, J.M., Smith, R.A., Roberts, M.A., Roffer, M.A., Ramirez, K.A. 2011. Collection of larval bluefin tuna (*Thunnus thynnus*) outside documented western Atlantic spawning grounds. *Bulletin of Marine Science* 87:687-694.

73. Arendt, M.D., A.L. Segars, J.I. Byrd, J. Boynton, J.D. Whitaker, L. Parker, D.W. Owens, G. Blanvillain, J.M. Quattro, and M.A. Roberts. 2012. Seasonal distribution patterns of juvenile loggerhead sea turtles (*Caretta caretta*) following capture from a shipping channel in the Northwest Atlantic Ocean. *Marine Biology* 159(1):127–139.
74. Arendt, M.D., A.L. Segars, J.I. Byrd, J. Boynton, J.D. Whitaker, L. Parker, D.W. Owens, G. Blanvillain, J.M. Quattro, and M.A. Roberts. 2012. Distributional patterns of adult male loggerhead sea turtles (*Caretta caretta*) in the vicinity of Cape Canaveral, Florida, USA during and after a major annual breeding aggregation. *Marine Biology* 159(1):101–112.
75. Arendt, MD, Schwenter JA, Segars AL, Byrd JI, Maier PP, Whitaker JD, Owens DW, Blanvillain G, Quattro JM, Roberts MA (2012) Catch rates and demographics of loggerhead sea turtles (*Caretta caretta*) captured from the Charleston, South Carolina, shipping channel during the period of mandatory use of turtle excluder devices (TEDs). *Fishery Bulletin* 110(1):98–109.
76. Arendt, MD, Boynton J, Schwenter JA, Segars AL, Byrd JI, Whitaker JD, Parker L, Owens DW, Blanvillain G, Quattro JM, Roberts MA. Spatial clustering of loggerhead sea turtles (*Caretta caretta*) captured by trawling in coastal waters of the Northwest (NW) Atlantic Ocean, and implications for management surveys. *Endangered Species Research* (accepted).
77. Arendt, MD, Schwenter JA, Segars AL, Byrd JI, Whitaker JD, Parker L, Owens DW, Quattro JM, Roberts MA. Dynamic loggerhead sea turtle (*Caretta caretta*) demographics at a key foraging ground in the Northwest Atlantic Ocean. *Ecosphere* (in review).
78. Roy, E.M., J. M. Quattro and T. W. Greig. 2012. Genetic Management of Black Sea Bass: Influence of Biogeographic Barriers on Population Structure. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 4:391–402.
79. Gaertner K, Chandler GT, Quattro J, Ferguson PL, Sabo-Attwood T. 2012. Identification and expression of the ecdysone receptors in the harpacticoid copepod, *Amphiascus tenuiremis*, in response to fipronil. *Ecotoxicol Environ Saf.* 76:39-45 (2012).
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81. Dominguez GA, Quattro JM, Denslow ND, Kroll KJ, Prucha MS, Porak WF, Grier HJ, Sabo-Attwood TL. 2012. Identification and transcriptional modulation of the largemouth bass, *Micropterus salmoides*, vitellogenin receptor during oocyte development by insulin and sex steroids. *Biol Reprod* 87:67.
82. Quattro JM, WB. Driggers III, JM. Grady, GF Ulrich, MA Roberts. 2013. *Sphyrna gilberti* sp. nov., a new hammerhead shark (Carcharhiniformes, Sphyrnidae) from the western Atlantic Ocean. *Zootaxa* 3702 (2): 159–178
83. Hoffmayer, ER JS Franks, WB Driggers III, JA McKinney, JM Hendon, JM Quattro. 2014. Habitat, Movements and Environmental Preferences of Dusky Sharks, *Carcharhinus obscurus*, in the Northern Gulf of Mexico. *Marine Biology* (in press).



84. C. M. Butler, J. M. Logan, J. M. Provaznik, E. R. Hoffmayer, M. D. Staudinger, J. M. Quattro, M. A. Roberts, G. W. Ingram Jr., A. G. Pollack and M. E. Lutcavage. 2014. Atlantic bluefin tuna *Thunnus thynnus* feeding ecology in the northern Gulf of Mexico: a preliminary description of diet from the western Atlantic spawning grounds. *Journal of Fish Biology*.
85. Eric R. Hoffmayer, James S. Franks, William B. Driggers III, Jennifer A. McKinney, Jill M. Hendon, Joseph M. Quattro. 2014. Habitat, Movements and Environmental Preferences of Dusky Sharks, *Carcharhinus obscurus*, in the Northern Gulf of Mexico. *Marine Biology*.
86. Muhling, B.A., Liu, Y., Le, S-K., Lamkin, J.T., Malca, E., Llopiz, J., Ingram, G.W. Jr., Quattro, J.M., Walter, J.F. III., Doering, K., Roffer, M.A., Muller-Karger, F. 2014. Past, ongoing and future research on climate change impacts on tuna and billfishes in the western Atlantic. ICCAT Collective Volume of Scientific Papers SCRS/2014/174.
87. Leitner J., K. J. Oswald, M. Bangs, D. Rankin, and J. Quattro. 2015. A consideration of the conservation impacts of hybridization between native Bartram's bass *Micropterus* sp. cf. *M. coosae* and two introduced species in the Savannah basin. In: M. D. Tringali, J. M. Long, T. W. Birdsong, and M. S. Allen (eds.), *Black Bass Diversity: Multidisciplinary Science for Conservation*. American Fisheries Society, Symposium 82, Bethesda, Maryland. pp. 481-490.
88. Oswald K. J., J. Leitner, D. Rankin, D. H. Barwick, B. Freeman, T. Greig, M. Bangs, and J. Quattro. 2015. Evolutionary genetic diversification, demography, and conservation of Bartram's bass. In: M. D. Tringali, J. M. Long, T. W. Birdsong, and M. S. Allen (eds.), *Black Bass Diversity: Multidisciplinary Science for Conservation*. American Fisheries Society, Symposium 82, Bethesda, Maryland. pp. 601-614.
89. Freeman, B. J., A. Taylor, K. J. Oswald, J. Wares, M. C. Freeman, J. Quattro, and J. Leitner. 2015. Shoal basses, a clade of cryptic identity. In: M. D. Tringali, J. M. Long, T. W. Birdsong, and M. S. Allen (eds.), *Black Bass Diversity: Multidisciplinary Science for Conservation*. American Fisheries Society, Symposium 82, Bethesda, Maryland. pp. 449-466.
90. Quattro, J.M., M.A. Roberts, K. Marsigliano, J.T. Lamkin, B.A. Muhling, M. Greenwold and G. W. Ingram: Scombrid Diversity in CUFES Sampled Fish Eggs from the Gulf of Mexico. MEPS, submitted.
91. C. M. Jones, E. R. Hoffmayer, J. M. Hendon, J. M. Quattro, J. Lewandowski, M. A. Roberts, G. R. Poulakis, M. J. Ajemian, W. B. Driggers III, M. R. de Carvalho, M. G. Rêgo, F. H. V. Hazin, J. F. Márquez-Farías. Morphological conservation of rays in the genus *Rhinoptera* (Elasmobranchii, Rhinopteridae) conceals the occurrence of a large batoid, *Rhinoptera brasiliensis* Müller, 1836, in the western North Atlantic Ocean. *Zootaxa*, submitted.
92. C.M. Jones, J. Lyczkowski-Shultz, W.B. Driggers III, L.A. Jackson, J.G. Moser, R.L. Shipp, S.P. Powers, J.M. Quattro. Identification and growth of larval red snapper, *Lutjanus campechanus* (Poey, 1860), in the western Gulf of Mexico. *Fisheries Bulletin*, submitted.

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#### **MENTORS:**

Dr. Dennis A. Powers, Stanford University (Post-Doctoral)  
Dr. Robert C. Vrijenhoek, Rutgers University (PhD)  
Dr. Raymond P. Morgan, University of Maryland (MS)