

## JAY R. ROOKER

### ADDRESS:

Department of Marine Biology, Texas A&M University at Galveston, 1001 Texas Clipper Road, Galveston, Texas 77553, Email: [rookerj@tamug.edu](mailto:rookerj@tamug.edu), Web: [www.tamug.edu/rooker/](http://www.tamug.edu/rooker/), Phone: 409-740-4744

### EDUCATION:

Ph.D. Marine Sciences	University of Texas at Austin, 1997
M.S. Marine Sciences	University of Puerto Rico, 1991
B.A. Biology (with honors)	Gustavus Adolphus College, 1985

### PROFESSIONAL EXPERIENCE:

*Regents Professor*, Department of Marine Biology, Department of Wildlife and Fisheries Sciences (Graduate Appointment), Department of Marine Sciences (Graduate Appointment), Texas A&M University at Galveston, 2014-

*McDaniel Chair of Marine Fisheries*, Department of Marine Biology, Texas A&M University at Galveston, 2007-present

*Professor, Associate Professor, Assistant Professor* Department of Marine Biology, Department of Wildlife and Fisheries Sciences (Graduate Appointment), Texas A&M University 2009-, 2004-2009, 1998-2004

*Post-Doctoral Research Scientist*, Center for Environmental Science, Chesapeake Biological Laboratory, University of Maryland, 1998

### PUBLICATIONS:

Total publications 110; 85 peer-reviewed papers

<sup>§</sup> Graduate student supervised by JR

<sup>p</sup> Post-doc supervised by JR

#### **Peer Reviewed**

1. Puncher GN, Cariani A, Maes GE, Van Houdt J, Herten K, Cannas R, Rodriguez-Expeleta N, Albaina A, Estonba MA, Lutcavage M, Hanke A, Rooker JR, Franks JS, Quattro, et al. (2018). Spatial dynamics and mixing of bluefin tuna in the Atlantic Ocean and Mediterranean Sea revealed using next generation sequencing. *Molecular Ecology Resources*
2. Cornic M<sup>§</sup>, Rooker JR (2018) Influence of oceanographic conditions on the distribution and abundance of blackfin tuna (*Thunnus atlanticus*) larvae in the Gulf of Mexico. *Fisheries Research* (In press)
3. Cornic M<sup>§</sup>, Smith BL, Kitchens LL<sup>§</sup>, Alvarado Bremer JR, Rooker JR (2018) Abundance and habitat associations of tuna larvae in the surface water of the Gulf of Mexico. *Hydrobiologia* 806: 29-46
4. Mamoozadeh NR, McDowell JR, Rooker JR, Graves JE (2017) Genetic evaluation of population structure in white marlin (*Kajikia albida*): the importance of statistical power. *ICES Journal of Marine Science* doi:10.1093/icesjms/fsx047
5. Wells RJD, Rooker JR, Quigg A, Wissel B (2017) Influence of mesoscale oceanographic features on pelagic food webs in the Gulf of Mexico. *Marine Biology* doi:10.1007/s00227-017-3122-0
6. Kitchens LL<sup>§</sup>, Paris CB, Vaz AC, Ditty JG, Cornic M<sup>§</sup>, Cowan JH, Rooker JR (2017) Occurrence of invasive lionfish (*Pterois volitans*) larvae in the northern Gulf of Mexico: characterization of dispersal pathways and spawning areas. *Biological Invasions* 19:1971-1979
7. Luque PL<sup>p</sup>, Zhang S, Rooker JR, Bidegain G, Rodriguez-Marin E (2017) Dorsal fine spines as a non-invasive alternative calcified structure for microelemental studies in Atlantic bluefin tuna. *Journal of Experimental Marine Biology and Ecology* 486: 127-133

8. Moulton DL<sup>§</sup>, Dance MA<sup>§</sup>, Williams JA, Sluis MZ, Stunz GW, Rooker JR (2016) Habitat partitioning and movement of red drum and spotted seatrout. *Estuaries and Coasts* 40: 905-916
9. Dance MA<sup>§</sup>, Rooker JR (2016) Stage-specific variability in habitat associations of juvenile red drum across a latitudinal gradient. *Marine Ecology Progress Series* 557: 221-235
10. Dance MA<sup>§</sup>, Moulton DL<sup>§</sup>, Fury NB<sup>§</sup>, Rooker JR (2016) Does transmitter placement or species affect detection efficiency of tagged animals in biotelemetry research. *Fisheries Research* 183: 80-85
11. Rooker JR, Wells RJD, Itano DG, Thorrold SR, Lee JM (2016) Natal origin and population connectivity of bigeye and yellowfin tuna in the Pacific Ocean. *Fisheries Oceanography* 25: 277-291
12. Fraile I, Arrizabalaga H, Santiago J, Goñi N, Arregi I, Madinabeitia S, Wells RJD, Rooker JR (2016) Otolith chemistry as an indicator of movements of albacore (*Thunnus alalunga*) in the North Atlantic Ocean. *Marine and Freshwater Research* 67: 1002-1013
13. Aschenbrenner A<sup>§</sup>, Padovani Ferreira B, Rooker J (2016) Spatial and temporal variability in the otolith chemistry of the Brazilian snapper (*Lutjanus alexandrei*) from estuarine and coastal environments. *Journal of Fish Biology* 89: 753-769
14. Pecoraro C, Babbucci M, Villamor A, Franch R, Papetti C, Leroy B, Ortega-Garcia S, Muir J, Rooker J, Arocha F, Murua H, Zudaire I, Chassot E, Bodin N, Tinti F, Bargelloni L, Cariani A (2016) Methodological assessment of 2b-RAD genotyping technique for population structure inferences in yellowfin tuna (*Thunnus albacares*). *Marine Genomics* 25: 43-48
15. Fraile I, Arrizabalaga H, Groeneveld J, Köllin M, Neves Santos M, Macías D, Addis P, Dettman DL, Karakulak S, Deguara S, Rooker JR (2016) The imprint of anthropogenic CO2 emission on Atlantic bluefin tuna otoliths. *Journal of Marine Systems* 158: 26-33
16. Williams AK, McInnes AS, Rooker JR, Quigg A (2015) Changes in microbial plankton assemblages induced by mesoscale oceanographic features in the Northern Gulf of Mexico. *PLoS ONE* doi:10.1371/journal.pone.0138230
17. Dance MA<sup>§</sup>, Rooker JR (2015) Habitat- and bay-scale connectivity of sympatric fishes in an estuarine nursery. *Estuarine, Coastal and Shelf Science* 167: 447-457.
18. Luo J, Ault JS, Shay LK, Hoolihan JP, Prince ED, Brown CA, Rooker JR (2015) Ocean heat contents reveals secrets of fish migrations. *PLoS ONE* 10(10): e0141101. doi:10.1371/journal.pone.0141101
19. Randall LL<sup>§</sup>, Smith BL, Cowan JH, Rooker JR (2015) Habitat characteristics of bluntnose flyingfish *Prognichthys occidentalis* (Actinopterygii, Exocoetidae), across mesoscale features in the Gulf of Mexico. *Hydrobiologia* 749: 97-111
20. Wells RJD, Kinney MJ, Kohin S, Dewar H, Rooker JR, Snodgrass OE (2015) Natural tracers reveal population structure of albacore (*Thunnus alalunga*) in the eastern North Pacific Ocean. *ICES Journal of Marine Science* 72 (7): 2118-2127
21. Baumann H, Wells RJD, Rooker JR, Baumann ZA, Madigan DJ, Dewar H, Snodgrass OE, Fisher NS (2015) Combining otolith microstructure and trace elemental analyses to infer the arrival of Pacific bluefin tuna juveniles in the California Current Ecosystem. *ICES Journal of Marine Science* 72: 2128-2138
22. Fraile I<sup>P</sup>, Arrizabalaga H, Rooker JR (2015) Origin of bluefin tuna (*Thunnus thynnus*) in the Bay of Biscay. *ICES Journal of Marine Science*, 72 (2): 625-634
23. Secor DH, Rooker JR, Gahagan B, Siskey M, Wingate R (2015) Depressed resilience of bluefin tuna in the western Atlantic Ocean associated with age truncation. *Conservation Biology*, 29: 400-408
24. Kitchens LL<sup>§</sup>, Rooker JR (2014) Habitat associations of dolphinfish in the Gulf of Mexico. *Fisheries Oceanography*, 23: 460-471
25. Rooker JR, Arrizabalaga H, Fraile I, Secor DH, Dettman DL, Abid N, Addis P, Deguara S, FS Karakulak FS, Kimoto A, Sakai O, Macías D, Santos MN (2014) Crossing the line: migratory and homing behaviors of Atlantic bluefin tuna, *Marine Ecology Progress Series* 504: 265-276
26. Hoolihan JP, Wells RJD Luo J, Falterman, B, Prince ED, Rooker JR (2014) Vertical and horizontal movements of yellowfin tuna (*Thunnus albacares*) in the Gulf of Mexico. *Marine and Coastal Fisheries*, 6: 211-222

27. Dance MA<sup>§</sup>, Bello G, Furey NB<sup>§</sup>, Rooker JR (2014) Species-specific variation in cuttlebone  $\delta^{13}\text{C}$  and  $\delta^{18}\text{O}$  for three species of Mediterranean cuttlefish. *Marine Biology* 161:489-494
28. Rooker JR, Kitchens LL<sup>§</sup>, Dance MA<sup>§</sup>, Wells RJD, Falterman B, Cornic M<sup>§</sup> (2013) Spatial, temporal, and habitat-related variation in abundance of pelagic fishes in the Gulf of Mexico: potential implications of Deepwater Horizon oil spill. *PLoS ONE* 8(10): E76080.
29. Furey NB<sup>§</sup>, Dance MA<sup>§</sup>, Rooker JR (2013) Fine-scale movements and habitat use of young-of-the-year southern flounder (*Paralichthys lethostigma*) in an estuarine seascape. *Journal of Fish Biology* 82 (5): 1469-1483
30. Furey NB<sup>§</sup>, Rooker JR (2013) Spatial and temporal shifts in suitable habitat of juvenile southern flounder (*Paralichthys lethostigma*). *Journal of Sea Research* 76: 161-169
31. Rooker JR, Simms JR<sup>§</sup>, Wells RJD, Holt SA, Holt GJ, Graves JE, Furey NB<sup>§</sup> (2012) Distribution and habitat associations of billfish and swordfish larvae across mesoscale features in the Gulf of Mexico. *PLoS ONE* 7(4): e34180. doi:10.1371/journal.pone.0034180
32. Dorado S, Rooker JR, Wissel B, Quigg A (2012) Shifting isotopic baselines in pelagic food webs of the Gulf of Mexico. *Marine Ecology Progress Series* 464: 37-49
33. Wells RJD, JR Rooker, DG Itano (2012) Nursery origin of yellowfin tuna in the Hawaiian Islands. *Marine Ecology Progress Series* 461: 187–196, 2012
34. Beck JL<sup>§</sup>, Rooker JR (2012) Effect of predator exposure on the performance and survival of red drum (*Sciaenops ocellatus*). *Environmental Biology of Fishes* 93:267–276
35. Hoolihan JP, Luo J, Abascal FJ, Campana SE, De Metrio G, Dewar H, Domeier ML, Howey LA, Lutcavage ME, Musyl MK, Neilson JD, Orbesen ES, Prince ED, Rooker JR (2011) Evaluating post-release behaviour modification in large pelagic fishes deployed with pop-up satellite archival tags. *ICES Journal of Marine Science* 68: 880-889
36. Kraus RT<sup>P</sup>, Wells RJD, Rooker JR (2011) Horizontal movement of Atlantic blue marlin (*Makaira nigricans*) in the Gulf of Mexico. *Marine Biology* 158: 699-713
37. Rooker JR, Stunz GS, Holt SA, Minello TJ (2010) Population connectivity of red drum in the northern Gulf of Mexico. *Marine Ecology Progress Series* 407: 187-196
38. Wells RJD<sup>P</sup>, Rooker JR, Prince ED (2010) Regional variation in the otolith chemistry of blue marlin (*Makaira nigricans*) and white marlin (*Tetrapturus albidus*) from the western North Atlantic Ocean. *Fisheries Research* 106:430-436
39. Simms JR<sup>§</sup>, Rooker JR, Holt SA, Holt GJ (2010) Distribution, growth, and mortality of sailfish, *Istiophorus platypterus*, larvae in the northern Gulf of Mexico. *Fishery Bulletin* 108:478-490
40. Schloesser RW<sup>§</sup>, Neilson JD, Secor DH, Rooker JR (2010) Natal origin of Atlantic bluefin tuna (*Thunnus thynnus*) from the Gulf of St. Lawrence based on  $\delta^{13}\text{C}$  and  $\delta^{18}\text{O}$  in otoliths. *Canadian Journal of Fisheries and Aquatic Sciences* 67: 563-569
41. Schloesser RW<sup>§</sup>, Rooker JR, Louchouart P, Neilson JD, Secor DH (2009) Interdecadal variation in seawater  $\delta^{13}\text{C}$  and  $\delta^{18}\text{O}$  recorded in fish otoliths. *Limnology and Oceanography* 54: 1665–1668
42. Wells RJD<sup>P</sup>, Rooker JR (2009) Feeding ecology of pelagic fish larvae and juveniles in slope waters of the Gulf of Mexico. *Journal of Fish Biology* 75: 1719–1732
43. Wells RJD<sup>P</sup>, Harper JO, Rooker JR, Landry AM, Dellapenna TM (2009) Fish assemblage structure on a drowned barrier island in the northwestern Gulf of Mexico. *Hydrobiologia* 625:207–221
44. Rooker JR, Secor DH, DeMetrio G, Schloesser R<sup>§</sup>, Block BA, Neilson JD (2008) Natal homing and connectivity in Atlantic bluefin tuna populations. *Science* 322: 742-744 (DOI:10.1126/Science.1161473)
45. Mikulas JJ<sup>§</sup>, Rooker JR (2008) Habitat use, growth, and mortality of post-settlement lane snapper (*Lutjanus synagris*) on natural banks in the northwestern Gulf of Mexico. *Fisheries Research* 93: 77-84
46. Rooker JR, Secor DH, DeMetrio G, Kaufman, JA, Belmonte Rios A, Ticina A (2008) Evidence of trans-Atlantic mixing and natal homing of bluefin tuna. *Marine Ecology Progress Series* 368: 231-239

47. Beck JL<sup>§</sup>, Rooker JR (2008) The Impact of Habitat Exposure and Ontogeny on the Survival Skills of Hatchery Red Drum, *Sciaenops ocellatus* (Linnaeus) *North American Journal of Aquaculture* 70: 399-409.
48. Glass LA<sup>§</sup>, Rooker JR, Kraus RT, Holt GJ (2008) Distribution, condition, and growth of newly settled southern flounder (*Paralichthys lethostigma*) in the Galveston Bay Estuary, Texas. *Journal of Sea Research* 59: 259-268
49. Rooker JR, Alvarado Bremer JR, Block BA, Dewar H, De Metrio G, Kraus RT, Prince ED, Rodriguez-Marín E, Secor DH (2007) Life history and stock structure of Atlantic bluefin tuna (*Thunnus thynnus*). *Reviews in Fisheries Science* 15(4):265-310
50. Cai Y<sup>§</sup>, Rooker JR, Gill G, Turner JP<sup>§</sup> (2007) Bioaccumulation of mercury in pelagic fishes from the Gulf of Mexico: evaluating links to dietary history and trophic position using stable isotopes and fatty acids. *Canadian Journal of Fisheries and Aquatic Sciences* 64: 458-469
51. Shaw RF, Cope JS, Holt GJ, Ropke A, Thorrold SR, Ditty JG, Farooqi TW, Rooker JR (2007) Comparison of plankton catches by three light-trap designs in the northern Gulf of Mexico. *Gulf of Mexico Science* 25: 109-118
52. Geary BW<sup>§</sup>, Mikulas JJ<sup>§</sup>, Rooker JR, Landry AM (2007) Patterns of habitat use by newly settled red snapper in the northwestern Gulf of Mexico. In Patterson WF, Cowan, JH, Fitzhugh GR, Nieland DL (eds.). Red snapper ecology and fisheries in the U.S. Gulf of Mexico. *American Fisheries Society Special Publication* 60: 25-38
53. Kraus RT<sup>p</sup>, Rooker JR (2007) Patterns of vertical habitat use by Atlantic blue marlin (*Makaira nigricans*) in the Gulf of Mexico. *Gulf and Caribbean Research* 19: 89-97.
54. Turner JP<sup>§</sup>, Rooker JR (2006) Fatty acid composition of flora and fauna associated with *Sargassum* mats in the Gulf of Mexico. *Marine Biology* 149: 1025-1036
55. Rooker JR, Turner JP<sup>§</sup>, Holt SA (2006) Trophic ecology of *Sargassum*-associated fishes in the Gulf of Mexico determined from stable isotope and fatty acid analysis. *Marine Ecology Progress Series* 313: 249-259
56. Turner JP<sup>§</sup>, Rooker JR (2005) Effect of diet on fatty acid signatures and turnover rates in an estuarine-dependent fish. *Journal of Fish Biology* 67: 1119-1138
57. Turner JP<sup>§</sup>, Rooker JR (2005) Effect of dietary fatty acids on the body tissues of larval and juvenile cobia and their prey. *Journal of Experimental Marine Biology and Ecology* 322: 13-27
58. Rooker JR, Secor DH (eds.) (2005) Connectivity in the life cycles of fishes and invertebrates that use estuaries. *Estuarine, Coastal and Shelf Science* 64: 1-148
59. Secor DH, Rooker JR (2005) Connectivity in the life histories of fishes that use estuaries. *Estuarine, Coastal and Shelf Science* 64: 1-3
60. Rooker JR, Kraus R<sup>p</sup>, Secor DH (2004) Dispersive behaviors of black drum and red drum: is otolith Sr:Ca a reliable indicator of salinity history? *Estuaries* 27: 334-441
61. Rooker JR, Landry AM, Geary BW<sup>§</sup>, Harper JA<sup>§</sup> (2004) Assessment of a bathymetric high and associated habitat as nursery grounds of postsettlement red snapper. *Estuarine, Coastal and Shelf Science* 59: 653-661
62. Wells RJD<sup>§</sup>, Rooker JR (2004) Distribution, age, and growth of young-of-the year greater amberjack, *Seriola dumerili*, associated with pelagic *Sargassum*. *Fishery Bulletin* 102:545-554
63. Wells RJD<sup>§</sup>, Rooker JR (2004) Spatial and temporal habitat use by fishes associated with *Sargassum* mats in the NW Gulf of Mexico. *Bulletin of Marine Science* 74: 81-99
64. Rooker JR, Secor DH, Zdanowicz VS, DeMetrio G, Relini LO (2003) Identification of Atlantic bluefin tuna stocks from putative nurseries using otolith chemistry. *Fisheries Oceanography* 12: 75-84
65. Secor DH, Campana SE, Zdanowicz VS, Lam JWH, McLaren JW, Rooker JR (2002) Inter-laboratory comparison of Atlantic and Mediterranean bluefin tuna otolith microconstituents. *ICES Journal of Marine Science* 59:1294-1304

66. Johnson MW<sup>s</sup>, Rooker, JR, Holt GJ, Gatlin D (2002) Effects of variable ration levels on direct and indirect measures of growth in juvenile red drum. *Journal of Experimental Marine Biology and Ecology* 274: 141-157
67. Rooker JR, Secor DH, Zdanowicz VS, Itoh T (2001) Discrimination of northern bluefin tuna from nursery areas in the Pacific Ocean using otolith chemistry. *Marine Ecology Progress Series* 218: 275-282
68. Rooker JR, Zdanowicz VS, Secor DH (2001) Otolith chemistry of tunas: assessment of base composition and post-mortem handling effects. *Marine Biology* 139: 35-43
69. Secor DH, Rooker JR, Zlokovitz E, Zdanowicz VS (2001) Identification of riverine, estuarine, and coastal contingents of Hudson River striped bass based upon otolith elemental fingerprints. *Marine Ecology Progress Series* 211: 245-253
70. Geary BW<sup>s</sup>, Rooker JR, Webb JW (2001) Utilization of salt marsh shorelines by newly settled sciaenids in a Texas estuary. *Gulf and Caribbean Research* 13: 37-49
71. Secor DH, Rooker JR (2000) Is otolith strontium a useful scalar of life-cycles in estuarine fishes? *Fisheries Research* 1032: 1-14
72. Rooker JR, Holt GJ, Holt SA, Fuiman LA (1999) Spatial and temporal variability in growth, mortality, and recruitment potential of post-settlement red drum (*Sciaenops ocellatus*). *Fishery Bulletin* 97: 581-590
73. Rooker JR, Holt SA, Soto MA, Holt GJ (1998) Post-settlement patterns of habitat use by sciaenid fishes in subtropical seagrass meadows. *Estuaries* 21: 315-324
74. Rooker JR, Holt GJ, Holt SA (1998) Vulnerability of newly settled red drum (*Sciaenops ocellatus*) to predatory fish: is early-life survival enhanced by seagrass meadows? *Marine Biology* 131: 145-151
75. Soto MA, Holt GJ, Holt SA, Rooker JR (1998) Food habits and dietary overlap of newly settled red drum (*Sciaenops ocellatus*) and Atlantic croaker (*Micropogonias undulatus*). *Gulf Research Reports* 10: 41-56
76. Rooker JR, Holt SA (1997) Utilization of subtropical seagrass meadows by newly settled red drum (*Sciaenops ocellatus*): patterns of distribution and growth. *Marine Ecology Progress Series* 158: 139-149
77. Rooker JR, Holt GJ, Holt SA (1997) Condition of larval and juvenile red drum (*Sciaenops ocellatus*) from estuarine nursery habitats. *Marine Biology* 127: 387-394
78. Rooker JR, Dokken QR, Pattengill CV, Holt GJ (1997) Fish assemblages on artificial and natural reefs in the Flower Garden Banks National Marine Sanctuary, U.S.A. *Coral Reefs* 16: 83-92
79. Rooker JR, Holt GJ (1996) Application of RNA:DNA ratios to evaluate the condition and growth of larval and early juvenile red drum (*Sciaenops ocellatus*). *Marine and Freshwater Research* 47: 283-290
80. Rooker JR, Dennis GD, Goulet D (1996) Sampling larval fishes with a nightlight lift-net device in tropical inshore waters. *Fisheries Research* 26: 1-15
81. Rooker JR (1995) Feeding ecology of the schoolmaster snapper, *Lutjanus apodus* (Walbaum), from southwestern Puerto Rico. *Bulletin of Marine Science* 56: 886-899
82. Read NR, Rooker JR, Gathman JR (1994) Public perception of mosquito annoyance: results of a survey and simultaneous mosquito sampling. *Journal of the American Mosquito Control Association* 10: 79-87
83. Rooker JR, Read NR, Smith ME, Leach SC (1994) A quantitative drop-net method for assessing numbers of host-seeking adult mosquitoes. *Journal of the American Mosquito Control Association* 10: 127-130
84. Dennis GD, Goulet D, Rooker JR (1991) Ichthyoplankton assemblages sampled by night lighting in nearshore habitats of southwestern Puerto Rico. In Larval fish recruitment and research in the Americas (R.D. Hoyt, ed). NOAA Technical Report NMFS 95: 89-97

85. Rooker JR, Dennis GD (1991) Diel, lunar, and seasonal changes in a mangrove fish assemblage off southwestern Puerto Rico. *Bulletin of Marine Science* 49: 684-698

***Proceedings & Technical Reports:***

86. Hanke A, MacDonnell A, Dalton A, Busawon D, Rooker JR, Secor DH (2018) Stock mixing rates of bluefin tuna from Canadian Landings: 1975-2015. *ICCAT Collective Volume of Scientific Papers* 74(6): 2622-2634
87. Hanke A, Busawon D, Rooker JR, Secor DH (2016) Estimates of stock origin for bluefin tuna caught in the western Atlantic fisheries from 1975 to 2013. *ICCAT Collective Volume of Scientific Papers* 72(6): 1376-1393
88. Secor DH, Barnett B, Allman R, Rooker JR (2014) Contribution of Gulf of Mexico population to US Atlantic bluefin tuna fisheries, 2010-2011. *ICCAT Collective Volume of Scientific Papers* 70(2): 368-371
89. Secor DH, Gahagan BI, Rooker JR (2014) Atlantic bluefin tuna stock mixing within the U.S. North Carolina recreational fishery, 2011-2012. International Commission for the Conservation of Atlantic Tunas *ICCAT Collective Volume of Scientific Papers* 70(2): 375-379
90. Secor DH, Rooker JR, Allman R (2013) Natal homing by Gulf of Mexico adult Atlantic bluefin tuna, 1976-2012. International Commission for the Conservation of Atlantic Tunas *ICCAT Collective Volume of Scientific Papers* 69(2): 372-374
91. Secor DH, Rooker JR, Neilson JD, Busawon D, Gahagan G, Allman R (2013) Historical Atlantic Bluefin tuna stock mixing within fisheries in the United States, 1976-2012 *ICCAT Collective Volume of Scientific Papers* 69(2): 938-946
92. Secor DH, Gahagan BI, Rooker JR (2012) Atlantic bluefin tuna population assignment based on otolith stable isotopes: the 2003 year-class within the U.S. North Carolina Recreational Fishery. *ICCAT Collective Volume of Scientific Papers* 68(1): 212-222
93. Hoolihan JP, Wells RJD, Lou J, Rooker JR, Prince ED (2011) Preliminary analysis of time spent at temperature relative to the surface temperature for yellowfin tuna monitored with pop-up satellite archival tags in the Gulf of Mexico. *ICCAT Collective Volume of Scientific Papers* 68(3): 979-983
94. Secor DH, Wingate RL, Neilson JD, Rooker JR, Campana SE (2009) Growth of Atlantic bluefin tuna: direct age estimates. *ICCAT Collective Volume of Scientific Papers* 64(2): 405-416
95. Simms JR<sup>§</sup>, Holt SA, Holt GJ, Bangma J, Rooker JR (2008) Age and growth of larval sailfish in the northern Gulf of Mexico, *Proceedings of the Gulf and Caribbean Fisheries Institute*, 60
96. Tidwell MT, Holt SA, Rooker JR, Holt GJ (2008) The distribution and feeding ecology of larval billfish in the northern Gulf of Mexico, *Proceedings of the Gulf and Caribbean Fisheries Institute*, 60
97. David G. Itano, R. J. David Wells and Jay R. Rooker (2008) Origin of yellowfin tuna in the Hawaiian Islands: preliminary assessment of natal signatures in otoliths. Western and Central Pacific Fisheries Commission WCPFC-SC4-2008/BI-WP-2
98. Beck JL<sup>§</sup>, Rooker JR (2007) The impact of pre-release exposure on the survival success of hatchery red drum, *Proceedings of the Gulf and Caribbean Fisheries Institute*, 59: 423-428.
99. Kraus RT, Friess C, Hill RL, and Rooker JR (2007) Characteristics of the Snapper-Grouper-Grunt Complex, Benthic Habitat Description, and Patterns of Reef Fish Recruitment at Sonnier Bank in the Northwestern Gulf of Mexico. *Proceedings of the Gulf and Caribbean Fisheries Institute*, 59: 183-188.
100. Rooker JR, Secor DH, De Metrio G, Rodríguez-Marín E, Fenech Farrugia A (2006) Evaluation of population structure and mixing rates of Atlantic bluefin tuna from chemical signatures in otoliths. *ICCAT Collective Volume of Scientific Papers* 59(3): 813-818

101. Kraus RT., Rooker JR, Hill RL, and Dellapenna T (2006) Preliminary characterization of a mid-shelf bank in the northwestern Gulf of Mexico as essential habitat of reef fishes. *Proceedings of the Gulf and Caribbean Fisheries Institute* 57:621-632
102. Cai Y<sup>§</sup>, Rooker JR, Gill G (2006) Bioaccumulation of mercury in pelagic fishes in the NW Gulf of Mexico and its relationship with location, length, collection year and trophic level. *Proceeding of the Gulf and Caribbean Fisheries Institute* 57: 317-326
103. Rooker JR, Secor DH (2004) Stock structure and mixing of Atlantic bluefin tuna: evidence from stable  $\delta^{13}\text{C}$  and  $\delta^{18}\text{O}$  isotopes in otoliths. *ICCAT Collective Volume of Scientific Papers* 56(3) 1115-1120
104. Rooker JR, Holt SA, Wells RD<sup>§</sup>, Turner JP<sup>§</sup>, Pratt C (2004) Retrospective determination of trophic relationships among pelagic fishes associated with *Sargassum* mats in the Gulf of Mexico. *Proceeding of the Gulf and Caribbean Fisheries Institute* 55: 257-266
105. Wells RJD<sup>§</sup>, Rooker JR (2003) Distribution and abundance of fishes associated with *Sargassum* mats in the NW Gulf of Mexico. *Proceeding of the Gulf and Caribbean Fisheries Institute* 54:609-621
106. Rooker JR (2003) Natural resource characterization of Mitchell's Cut. Coastal Technology Incorporated, Report No. 0018, 18 pp.
107. Rooker JR, Secor DH, Zdanowicz VS, Relini LO, Santamaria N, Deflorio M, Palandri G, Relini M (2002) Otolith elemental fingerprints of Atlantic bluefin tuna from eastern and western nurseries. *ICCAT Collective Volume of Scientific Papers* 54: 498-506
108. Rooker JR (2002) Mouth of the Colorado River: effects salinity on fisheries productivity. Coastal Technology Incorporated, Report No. 0017, 46 pp.
109. Cox SA, Beaver CR, Dokken QR, Rooker JR (1996) Diver-based underwater survey techniques used to assess fish populations and fouling community development of offshore oil and gas platform structures. In: MA Lang, CC Baldwin (Eds.) *The Diving for Science...1996*, "Methods and Techniques of Underwater Research", Proceedings of the American Academy of Underwater Sciences Annual Scientific Diving Symposium, Smithsonian Institution, Washington D.C. pp 101-105
110. Rooker JR, Recksieck C (1992) The effects of training with fish models in estimating lengths of fish underwater. *Proceeding of the Gulf Caribbean Fisheries Institute* 41: 321-331

#### **EXTRAMURAL AWARDS:**

Estimate of primary awards: 46 awards, over \$14.5 million in funding to TAMU (Rooker)

1. NOAA MS/AL Sea Grant Consortium 2017-2019  
Estimating the absolute abundance of Red Snapper in the U.S. Gulf of Mexico  
[PI: G. Stunz et al., Co-PIs: J. Rooker et al.] \$9.5 million total,  
\$1,379,698 to J. Rooker
2. NOAA Saltonstall Kennedy Program 2017-2019  
Ocean basin connectivity of Pacific bluefin tuna: linking natal origin and trans-Pacific  
movements into population dynamics  
[Co-PI: J. Rooker], \$291,298 (NA17NMF4270224)
3. NOAA Marine Fisheries Initiative (MARFIN) 2016-2019  
Life History and Population Structure of Snowy and Warsaw Grouper in US Waters  
[PI: J. Rooker], \$393,520 (NA16NMF4330161)
4. NOAA Saltonstall Kennedy Program 2016-2018  
Origin of yellowfin tuna in the western Atlantic Ocean: importance of outside

- production to US fisheries  
[PI: J. Rooker], \$278,823 (NA16NMF4270221)
5. State Wildlife Grant Program 2016-2017  
Temporal variability in the egress and ingress of estuarine-dependent fishes  
[PI: J. Rooker], \$126,720
  6. NOAA Bluefin Tuna Research Program 2015-2016  
Development of Mixed-Stock Models for Determining the Origin of Bluefin Tuna  
[PI: J. Rooker], \$116,909 (NA15NMF4720107)
  7. NOAA Cooperative Research Program 2016-2017  
Ocean basin connectivity of Pacific bluefin tuna  
[Co-PI: J. Rooker], \$70,000
  8. Texas OneGulf 2016-2018  
Restoring and enhancing nursery habitats to increase fisheries production  
[Co-PI J. Rooker], \$223,752
  9. State Wildlife Grant Program 2016-2017  
Identification of shark nurseries along the Texas coast  
[Co-PI: J. Rooker], \$100,000
  10. Texas Parks and Wildlife Department 2016-2018  
Biomass and Community Structure of Reef Fishes on TPWD Artificial Reefs  
[Co-PI: J. Rooker], \$518,773
  11. Gulf of Mexico Research Institute 2015-2018  
DEEPEND: Gulf of Mexico Deep-Pelagic Nekton Dynamics  
[PI: Tracey Sutton, Co-PIs: J. Rooker & others], TAMUG award \$1,505,191  
(J. Rooker subcontract \$742,340)
  12. Texas Parks and Wildlife Department 2014-2015  
Biomass and Community Structure of Reef Fishes on TPWD Artificial Reefs  
[Co-PI: J. Rooker], \$462,566
  13. Louisiana Department of Wildlife and Fisheries 2012-2015  
Nursery origin of yellowfin tuna in the Gulf of Mexico using 'natural' tags  
[PI: J. Rooker], \$458,489
  14. ICCAT (Spain)/GBYP (Phase 1-3) 2011-2013  
Biological and genetic analysis of bluefin tuna-Atlantic-Wide Research Program  
[Consortium Proposal; Co-PI: J. Rooker], J. Rooker subcontract based on phase 1-3  
€88,000 (~\$120,000)
  15. NOAA Sea Grant-Texas 2012-2014  
Movement and population connectivity of fishes across estuarine seascapes  
[PI: J. Rooker], \$215,291 (NA10OAR4170099)
  16. State of Louisiana (LDWF/LSU) 2011-2014



- Impact of Deepwater Horizon incident on benthic and pelagic fish communities  
[Co-PI: J. Rooker], \$2,937,249; J. Rooker subcontract \$689,229
17. NOAA-SEFSC 2011-2013  
Natal origin of bluefin tuna  
[Co-PI: J. Rooker] \$154,087; J. Rooker subcontract \$71,727 (NA11NMF4720107)
  18. Virginia Tech University 2011-2012  
Application of otolith stable isotopes to assign population of origin of bluefin tuna  
[Co-PI: J. Rooker] \$134,751; J. Rooker subcontract \$37,041 (NA10NMF454029)
  19. Large Pelagic Research Center, University of New Hampshire 2010-2011  
Connectivity of Atlantic bluefin tuna populations (NA04NMF4550391)  
[PI: J. Rooker] \$100,000
  20. McDaniel Foundation 2010-2013  
Ocean influences on the occurrence and abundance of billfishes in the GOM  
[PI: J. Rooker] \$628,802
  21. National Science Foundation 2010-2011  
Acquisition of instruments to facilitate and enhance education and research on  
marine ecosystems  
[PI: J. Rooker; Co-PIs: A. Quigg, P. Santschi] \$383,127
  22. NOAA/GMFMC (Coral Reef Conservation Program) 2010-2011  
Early life ecology of groupers on low and high diversity reefs in the northern GOM  
[PI: J. Rooker], \$126,573 (NA09NMF4410036)
  23. NOAA (Cooperative Research Program) 2008-2010  
Vertical and horizontal habitat use of yellowfin tuna in the northern Gulf of Mexico  
[PI: J. Rooker] \$264,125 (NA08NMF4540402)
  24. NOAA/GMFMC (Coral Reef Conservation Program) 2009-2010  
Recruitment of Reef Fishes to Low and High Diversity Reefs in the Northern GOM  
[PI: J. Rooker] \$125,000
  25. NOAA/GMFMC (Coral Reef Conservation Program) 2008-2009  
Spatial and temporal variability in recruitment of reef fishes in the northern GOM  
[PI: J. Rooker] \$125,000 (NA08NMF4410674)
  26. University of Hawaii (Pelagic Fisheries Research Program) 2007-2009  
Nursery origin of yellowfin tuna (*Thunnus albacares*) in the Hawaiian Islands  
[PI: J. Rooker] \$247,721 (NA17RF1230)
  27. NOAA SEFSC 2007-2009  
Aspects of the life history and stock structure of Atlantic bluefin tuna  
[PI: J. Rooker] \$253,755 (NA07NMF4270272)
  28. McDaniel Foundation 2007-2010  
Ecology and stock structure of billfishes in the Gulf of Mexico

- [PI: J. Rooker] \$730,693
29. NOAA/GMFMC (Coral Reef Conservation Program) 2007-2008  
Recruitment and habitat use of reef fishes on low and high diversity reefs  
[PI: J. Rooker] \$130,000
  30. University of New Hampshire (Large Pelagic Research Center) 2006-2009  
Assessment of natal homing and mixing of Atlantic bluefin tuna  
[PI: J. Rooker] \$214,443 (NA04NMF4550391)
  31. NOAA Sea Grant (National & Texas) 2005-2008  
Ecology and stock structure of billfishes in the Gulf of Mexico  
[PI: J. Rooker] \$594,469 (NA05OAR4171142)
  32. McDaniel Foundation 2005-2007  
Movement of blue marlin in the Gulf of Mexico  
[PI: J. Rooker] \$95,000
  33. NOAA/GMFMC (Coral Reef Conservation Program) 2004-2005  
Assessment of mid and outer shelf banks in the NW Gulf of Mexico as EFH  
[PI: J. Rooker] \$87,500 (NA04NMF4410346)
  34. Advanced Technology Program (State of Texas) 2004-2006  
Survival and post-release success of hatchery-raised red drum  
[PI: J. Rooker] \$134,764
  35. NOAA Sea Grant (Texas) 2004-2007  
Larval supply and post-settlement processes in recruitment of southern flounder  
[PI: S. Holt; Co-PIs: J. Rooker, G. Stunz] \$202,045 (NA16RG1078)
  36. NOAA (Saltonstall Kennedy Program) 2003-2004  
Characterization of Atlantic bluefin tuna stock structure using stable isotopes  
[PI: J. Rooker] \$112,779 (NA03NMF4270091)
  37. NOAA/GMFMC (Coral Reef Conservation Program) 2003-2004  
Characterization of a mid-shelf bank in the northwestern Gulf of Mexico as EFH.  
[PI: J. Rooker] \$55,000
  38. McDaniel Foundation 2003-2004  
Migration and movement of blue marlin in the Gulf of Mexico  
[PI: J. Rooker] \$42,750
  39. NOAA (Marine Fisheries Initiative) 2002-2004  
Assessment of bathymetric highs as nursery grounds of red snapper  
[PI: J. Rooker; Co-PI: A. Landry] \$211,469 (NA17FF2872)
  40. NOAA Sea Grant (Texas) 2001-2004  
Origins of red drum stocks: assessing the contribution using biogeochemical fingerprints  
[PI: J. Rooker] \$246,126 (NA06OAR4170076)

41. NOAA (Saltonstall Kennedy Program) 2001-2002  
Use of otolith microconstituent analysis to characterize bluefin tuna stock structure  
[Co-PI: J. Rooker] \$175,200 (NA16FD2290)
42. NOAA (Saltonstall Kennedy Program) 2000-2001  
Assessment of natal origin and stock structure of Atlantic bluefin tuna  
[PI: J. Rooker] \$61,165 (NA07FD0176)
43. Aquarium at Moody Gardens 2000-2001  
Gulf of Mexico initiative: promoting conservation through education and research  
[PI: J. Rooker] \$64,958
44. NOAA (Saltonstall Kennedy Program) 1999-2000  
Test of the two stock hypotheses for Atlantic bluefin tuna  
[Co-PI: J. Rooker] \$88,374 (NA96FD0071)
45. NOAA (Marine Fisheries Initiative) 1999-2000  
Nursery habitats of red snapper in the northwest Gulf of Mexico  
[Co-PI: J. Rooker] \$100,000
46. National Science Foundation 1998-2000  
Retrospective analysis of dispersive and retentive behaviors of YOY fishes  
[PI: D. Secor, Contributing Investigator: J. Rooker] \$244,305

#### **AWARDS & HONORS:**

Special Visiting Research Fellowship (Brazil), National Council of Scientific and Technological Development (CNPq), 2015-2018  
Regents Professor, Texas A&M University System, 2014  
Endowed Chair-Texas A&M University at Galveston, 2007-present  
Hall of Fame (Collegiate Athletics-Soccer), Gustavus Adolphus College, 2005  
American Fisheries Society (TX Chapter) Best Paper Award, 2002  
Sally L. Richardson Best Paper Award-American Fisheries Society, 1996  
Sally L. Richardson Best Paper Award-American Fisheries Society (Hon. Mention), 1997  
Julian C. Barton Regents' Endowed Fellowship, 1995-1997  
Wetlands Alliance Graduate Scholarship Award, 1995  
E.J. Lund Research Fellowship, 1994 & 1995  
Outstanding Presentation Award-Texas Chapter AFS, 1994

#### **HONOR AND PROFESSIONAL SOCIETIES:**

Honor Society of Phi Kappa Phi, Sigma Xi Scientific Research Society, American Society of Ichthyologists and Herpetologists, American Fisheries Society (National and Texas Chapter)  
American Fisheries Society-Early Life History Section

#### **EDITORIAL BOARDS/SERVICE:**

Editorial Board-*Ecology*: 2010-present  
Editorial Board-*Ecological Monographs*: 2010-present  
Editorial Board-*Reviews in Fisheries Science*: 2004-2011  
Guest Subject Matter Editor: *Ecosphere*: 2012  
Guest Editor: *Estuarine, Coastal and Shelf Science*: 2004-2005  
Guest Editor: *Southeastern Naturalist*: 2006-2007

**REFEREE FOR PROPOSALS:**

Hudson River Foundation  
NOAA Fisheries  
National Science Foundation  
NOAA-National Undersea Research Center (NURC)  
Sea Grant (several states)  
Sea Grant National

**REFEREE AND/OR EDITOR FOR SCIENTIFIC JOURNALS:**

Aquaculture  
Aquatic Ecology  
Bulletin of Marine Science  
Caribbean Journal of Science  
Contribution in Marine Science  
Canadian Journal of Fisheries and Aquatic Sciences  
Deep Sea Research II  
Ecology  
Ecological Monographs  
Ecosphere  
Environmental Biology of Fishes  
Estuaries (Estuaries and Coasts)  
Estuarine, Coastal and Shelf Science  
Gulf and Caribbean Research  
Gulf of Mexico Science  
Environmental Science and Technology  
Fishery Bulletin  
Fisheries Oceanography  
Hydrobiologia  
ICES Journal of Marine Science  
Journal of Environmental Management  
Journal of Fish Biology  
Journal of the Marine Biological Association (UK)  
Journal of Sea Research  
Limnology and Oceanography  
Marine and Coastal Fisheries  
Marine Biology  
Marine Ecology Progress Series  
Marine and Freshwater Research  
New Zealand Journal of Marine and Freshwater Research  
North American Journal of Fisheries Management  
Oceanologica ACTA  
PLoS ONE  
Reviews in Fisheries Science  
Reviews in Fish Biology and Fisheries  
Southeastern Naturalist  
Transaction of the American Fisheries Society

**TEACHING:**

Student Evaluations of JRR as instructor for the past 5 years (2011-2015): **Mean Score 4.6**

(Range: 1.0 to 5.0; 5.0 = highest possible score; scores from **4.5 to 5.0 = Exemplary Rating**)

**Undergraduate Courses**

Marine Ecology (primary course taught; > 20 semesters)  
 Fisheries Techniques  
 Sea World Experience  
 Seminar in Marine Biology

**Graduate Courses**

Natural Resources of the Mediterranean  
 Current Concepts in Marine Biology and Ecology  
 Biology and Geology of Coral Reefs  
 Advanced Concepts in Marine Population Biology and Ecology (Team Taught)  
 Ecosystem Functions in the Marine Environment (Team Taught)

**GRADUATE STUDENT ADVISORY COMMITTEES AS “CHAIR”**

<b>Student’s Name</b>	<b>DEPT</b>	<b>(Degree, year)</b>	<b>Current Position</b>
Mathew Johnson	WFSC	(M.S., 2000)	Research Scientist, TAMU-CC
Bert Geary	WFSC	(M.S., 2001)	Consultant
Robert David Wells	WFSC	(M.S., 2002)	Assistant Professor, Texas A&M U-Galveston
Jason Turner	WFSC	(Ph.D., 2004)	Associate Professor, University of Hawaii, Hilo
Yan Cai	WFSC	(M.S., 2005)	Research Associate, Xiamen University
Lindsay Glass	WFSC	(M.S., 2006)	Ph.D. student, North Carolina State University
Joe Mikulas	WFSC	(M.S., 2007)	Science Teacher, Katy ISD
Jessica Beck	WFSC	(Ph.D., 2007)	<a href="#">Southeast Regional Aquaculture Coordinator, NOAA</a>
Ryan Schloesser	WFSC	(M.S., 2008)	Post-doc, Mote Marine Laboratory
Jeff Simms	WFSC	(M.S., 2009)	Staff Scientist, Entrix Inc., Houston, TX
Nathaniel Furey	WFSC	(M.S., 2012)	Post-doc, University of British Columbia
Lynne Wetmore	WFSC	(M.S., 2014)	Ph.D. student, UC-Davis/SDSU
Landes Randall	WFSC	(M.S., 2014)	Technician, Colorado Parks and Wildlife
Michael Dance	WFSC	(Ph.D., 2015)	Post-doc, TAMU
David Moulton	WFSC	(M.S., 2015)	Ph.D. student, University of British Columbia
Larissa Kitchens	WFSC	(Ph.D., 2017)	
Maele Cornic	MARB	(Ph.D., 2017)	
Jeffrey Pinsky	MARB	(M.S., In progress)	
Corinne Meinert	MARB	(M.S., In progress)	
Chris Steffen	MARB	(M.S., In progress)	

**GRADUATE STUDENT ADVISORY COMMITTEES AS “MEMBER”**

Brooke Shipley	WFSC	(M.S., 2000)
Jeff Rank	OCNG	(M.S., 2001)
Tim Grabowski	WFSC	(M.S., 2002)
Tiffany Farnham	WFSC	(M.S., 2003)
Eddie Majzlik	OCGN	(M.S., 2005)
Sara Keach	OCGN	(M.S., 2006)
Chih-Lin Wei	OCGN	(M.S., 2006)
Ron Lehman	MARM	(M.A., 2006)
Lisa Hoopes	WFSC	(Ph.D., 2006)
Janelle Case	WFSC	(M.S., 2007)
Aaron Edwards	RLEM	(M.S., 2007)

George Gable	WFSC	(M.S., 2007)
Christina Taylor	RLEM	(M.S., 2008)
Amanda Thronson	BIOL	(M.S., 2008)
Brandon Saxton	WFSC	(M.S., 2009)
Chih-Lin Wei	OCGN	(Ph.D., 2010)
Sam Dorado	MARB	(M.S., 2010)
Michael Bell	RELM	(M.S., 2010)
Chris Chapa	WFSC	(M.S., 2012)
Liam Carr	GEOG	(Ph.D., 2012)
Brad Smith	WFSC	(Ph.D., 2013)
Pablo Granados-Dieseldorff	GEOG	(Ph.D., 2013)
Kenneth Coonrod	MARM	(M.S. 2013)
Ching-Ping Lu	WFSC	(Ph.D., 2014)
Carolyn Weaver	MARB	(Ph.D., 2015)
Mithriel MacKay	MARB	(Ph.D., 2015)
Rujia Bi	MARB	(M.S., 2016)
Mari Smultea	MARB	(PhD., 2016)
David Brankovits	MARB	(Ph.D., In progress)
Jennifer Wilbanks	WFSC	(M.S., In progress)
Kristen Onsgard	MARB	(M.S., In progress)
Alyssa Marsh	MARB	(M.S., In progress)
Claire Iseton	MARB	(M.S., In progress)
Rachel Susen	MARM	(M.S., In progress)
Thomas Heathman	OCNG	(Ph.D., In progress)
Kimberly Clausen	MARB	(M.S., In progress)
Stephanie Durkacz	OCNG	(M.S., In progress)
Veronica Quesnell	MARB	(M.S., In progress)
Gregory Campbell	MARB	(PhD., In progress)
Kaylan Bradley	MARB	(M.S., In progress)
Tom TinHan	MARB	(Ph.D., In progress)
Joshua Cullen	MARB	(Ph.D., In progress)
Joshua Anklam	MARB	(M.S., In progress)
Sara Mellard	MARB	(Ph.D., In progress)
Travis Richards	MARB	(Ph.D., In progress)
Rachel Glazner	EEBL	(Ph.D., In progress)
Raven Walker	MARB	(Ph.D., In progress)

**COMMITTEES OUTSIDE OF TAMU:**

Chris Chizinski, Texas Tech University	(Ph.D., 2007)
Travis Tidwell, University of Texas	(M.S., 2008)
Megan Fencil, University of Texas	(Ph.D., 2009)
Judson Curtis, TAMU-CC	(Ph.D., 2014)

**POST-DOCTORAL ADVISING:**

Richard Kraus (2003-2006) Current position: Research Fishery Biologist & Field Station Supervisor, Eastern Basin Ecosystem Branch, Lake Erie Biological Station, USGS  
David Wells (2007-2010) Current position: Assistant Professor, Department of Marine Biology, Texas A&M University at Galveston  
Anna Traina (2013) Current Position: Research Scientist, National Research Council, Italy (IAMC-CNR, UOS di Capo Granitola)

Michelle Sluis (2015-) Current Position, Post-doctoral Research Scientist, Texas A&M University  
Michael Dance (2016-) Current Position, Post-doctoral Research Scientist, Texas A&M University

**OUTSIDE SERVICE ON ACTIVE COMMITTEES AND COUNCILS (PANELS, COMMITTEES, SESSIONS CHAIRED):**

International Commission for the Conservation of Atlantic Tuna (ICCAT)-Technical Advisor: 2005-2010  
Texas Saltwater Fishing Hall of Fame- Board of Directors: 2006-present  
Southeast Data, Assessment, and Review (SEDAR), SEDAR 10, Gag Grouper Data Workshop, Charleston, SC (2006)  
Gulf of Mexico Fisheries Management Council— Finfish Stock Assessment Panel: 2003-2006  
Southeast Data, Assessment, and Review (SEDAR), SEDAR 9, Greater Amberjack, Gray Triggerfish, and Vermillion Snapper Data Workshop (2005), New Orleans, Louisiana  
Southeast Data, Assessment, and Review (SEDAR) SEDAR 6, Goliath Grouper and Hogfish Review Workshop (2004), Tampa, Florida  
Scientific Advisory Board- Oceanic Conservation Organization: 2003-2007; 2010-  
Scholarship and Awards Committee-American Fisheries Society Texas Chapter (Member): 2001-2005  
Scientific Advisory Staff-Aquarium at Moody Gardens (Member): 2001-2005  
Recent Advances in Marine Fisheries Research Symposium (Session Chair): 2003 at AFS-Texas Chapter Annual Meeting  
Connectivity of Marine Fishes and Invertebrates in Temperate and Tropical Estuaries Symposium (Session Co-Chair): 2003 Estuarine Research Federation Annual Meeting  
Florida Sea Grant Review Panel (Member): 2003 (declined recent invitations)  
Artist Boat-Board Member: 2003-2005

**UNIVERSITY SERVICE ON ACTIVE COMMITTEES AND COUNCILS:**

*College or University:*

University (TAMUG) Council of Principal Investigators 2017-  
University (TAMUG) Research Space Management Committee: 2017-  
University (TAMUG) Promotion and Tenure Committee (Chair): 2014-  
Search Committee for Department Head, Department of Wildlife and Fisheries Sciences: 2011  
Selection Committee of the William Ricker Distinguished Faculty/Staff Awards: 2008  
Associate Vice President for Academic Affairs and Chief Academic Officer Search Committee (Member): 2007-  
POR Committee for Science Building (Member): 2006-2008  
Executive Committee for Interdisciplinary Degree Program in Marine Biology (Member): 2007-2013  
Vice President/CEO of TAMUG Search Committee (Member): 2004  
Faculty Development Leave Committee (Member): 2001-2004  
Faculty Advisory Committee (Member): 1999-2001  
Research Advisory Committee (Member): 1999-2001, 2001-2003 (2 terms)  
Diving Board (Member): 1999-  
Research Vessel Committee (Chair): 2000-2002  
Scholarship and Awards Committee (Member): 1999-2001; 2004-2005  
Science Building Committee (Member): 2006  
Marine Terminal Committee (Member): 2006

*Department:*

Search Committee for Quantitative Fisheries Biologist (Chair), 2011  
Search Committee for Marine Biology Department Head, 2008  
Wetlands Ecologist Search Committee (Chair): 2005  
Curriculum Development Committee (Member): 2000-present

Book Purchasing Committee (Member): 1999-2001  
Marine Mammalogist Search Committee (Chair): 2001-2002  
Department Head Search Committee (Member): 2002  
Mariculture Search Committee (Member): 1999  
Honors Program (Member): 2001-2004  
Graduate Program Curriculum Committee (Member): 2002-2006

### **SELECTED PRESENTATIONS & INVITED SEMINARS:**

Presentations/seminars given in 14 different countries

\* Invited speaker

1. Rooker JR\* (2017) Shifts in the abundance of pelagic fish larvae the Gulf of Mexico: natural variability or consequence of DWHOS. Gulf of Mexico Oil Spill and Ecosystem Science (GoMOSES) Conference, New Orleans, Louisiana
2. Rooker JR\* (2016) Population connectivity: concepts, definitions, and approaches. Primer on otolith chemistry, Universidade Federal Pernambuco Fisheries Workshop, Tamandare, Brazil
3. Rooker JR\* (2016) Primer on otolith chemistry, Universidade Federal Pernambuco Fisheries Workshop, Tamandare, Brazil
4. Rooker JR (2016) Migration ecology of fishes in the Gulf of Mexico. ECO-CIEC, Cayo Coco, Cuba
5. Rooker JR\*, Arrizabalaga H, Fraile I, Secor DH, Lee J (2016) Origin and population connectivity of bluefin tuna: insights from natural chemical markers in otoliths. Bluefin Futures Symposium, Monterey, CA
6. Rooker JR, Wells RJD (2016) Natural tracers in the otoliths of deep sea fishes, DEEPEND PI meeting, Tampa, FL
7. Rooker JR\* (2015) Population connectivity of marine fishes, Universidade Federal Pernambuco
8. Rooker JR\* (2015) Trans-boundary migrations and population connectivity of demersal and pelagic fishes. 5<sup>th</sup> Brazilian Congress of Marine Biology, Porto de Galinhas, Pernambuco State, Brazil (Plenary Speaker)
9. Rooker JR\* (2015) Significance of local production and trans-ocean migrations of pelagic fishes. University of Southern Mississippi
10. Rooker JR\* (2015) Crossing the line: migratory and homing behaviors of large pelagic fishes. Florida Institute of Technology, Melbourne, FL (Elise B. Newell Seminar Series)
11. Rooker JR\* (2015) Population connectivity of marine fishes. Marine Resource Council of East Florida, Palm Bay, FL
12. Rooker JR\* (2015) Early life ecology of pelagic fishes in the Gulf of Mexico. Nova Southeastern University, Fort Lauderdale, FL (DEEPEND, GOMRI Workshop)
13. Rooker JR\* (2014) Ecological function of shoal and ridge/trough complexes in the Gulf of Mexico. Special BOEM Workshop, Southern Division AFS, Charleston, SC.
14. Rooker JR\* (2013) Migration, homing, and site fidelity of marine fish: evidence from chemical tags in otoliths, University of Cagliari, Sardinia
15. Rooker JR\* (2012) Population connectivity of billfishes and tunas. Brazil-TAMU Science and Education Internationalization Conference and Workshop, Porto de Galinhas, Brazil
16. Rooker, JR\* (2011) Movement of billfish and tuna populations in marginal seas of the Atlantic Ocean. Institute for the Coastal Marine Environment (National Research Council, Italy), Campobello di Mazara, Sicily
17. Rooker, JR\* (2010) Basin-scale connectivity of billfish and tuna populations. AZTI Tecnalia, San Sebastian, Spain
18. Rooker, JR\* (2010) Migration and mixing rates of Atlantic bluefin tuna. Department of Animal Health and Well-being, University of Bari, Italy



19. Rooker JR\*, Secor DH, Kraus RT, Wells RDW (2009) Blue travelers: basin-scale connectivity of bluefin tuna and blue marlin in the American Mediterranean. ICES Annual Science Conference, Berlin, Germany
20. Rooker JR, Secor DH, R Schloesser (2008) Trans-Atlantic mixing and site fidelity of Atlantic bluefin tuna: evidence from stable isotopes in otoliths. ASLO summer meeting, St. John's Newfoundland
21. Rooker JR, Secor DH, JD Neilson (2008) Philopatry and connectivity of Atlantic bluefin tuna populations. Large Pelagic Research Symposium, University of New Hampshire.
22. Rooker JR, Kraus RT, Wells RDW (2007) Does the Gulf of Mexico serve as EFH of blue marlin? 2<sup>nd</sup> Annual Electronic Tagging and Tracking Meeting, San Sebastian, Spain.
23. Rooker JR\* (2006) Blue travelers: is the sustainability of bluefin tuna and blue marlin stocks linked to the Gulf of Mexico. Gulf and Caribbean Fisheries Institute, Belize City, Belize.
24. Rooker JR\* (2006) Blues travelers: movement and stocks structure of bluefin tuna and blue marlin form the Gulf of Mexico. University of West Florida
25. Rooker JR, Kraus RT, Holt SA, Holt GH (2005) Is the Gulf of Mexico more than a pit stop for Atlantic billfishes? 4<sup>th</sup> International Billfish Symposium, Santa Catalina Island, California.
26. Rooker JR\*, Holt SA, Stunz G (2005) Application of otolith chemical analysis to determine the connectivity between early life and adult habitats of red drum. 18<sup>th</sup> Biennial Conference of the Estuarine Research Federation, Norfolk, Virginia
27. Rooker JR, Secor DH (2005) Evidence of trans-oceanic movement of Atlantic bluefin tuna from chemical signatures in otoliths. 56<sup>th</sup> Annual International Tuna Conference, Lake Arrowhead, California.
28. Rooker JR, Secor DH (2005) Trans-Atlantic mixing of bluefin tuna: evidence from stable isotopes in otoliths. 135<sup>th</sup> Annual Meeting of the American Fisheries Society, Anchorage, Alaska.
29. Rooker JR\* (2004) Ecology and stock structure of fishes in the Gulf of Mexico: application of novel approaches to answer age old questions? Department of Zoology, University of Bari, Italy
30. Rooker JR\* (2004) Stock structure and mixing rates of Atlantic bluefin tuna. Italian Large Pelagic Fish Working Group Meeting, University of Genoa, Italy
31. Rooker JR\* (2004) Ecology and stock structure of fishes of bluefin tuna and other species in the Gulf of Mexico? Department of Animal Health and Well-being, University of Bari, Italy
32. Rooker JR\* (2004) Application of novel approaches to answer age old questions? Spanish Institute of Oceanography— Centro Oceanografico de Murcia, Spain
33. Rooker JR\* (2004) Stock structure and mixing rates of bluefin tuna. Spanish Institute of Oceanography— Centro Oceanografico de Santander, Spain
34. Rooker JR\* (2003) Application of otolith composition and chemistry to fisheries studies. Louisiana State University, Marine Science Institute, Baton Rouge, LA
35. Rooker JR\* (2003) Population ecology of marine fishes: are the answers in the ear stones? Texas A&M University, Department of Wildlife and Fisheries Sciences, College Station, TX
36. Rooker JR Holt SA, Wells RD, Turner JP, Pratt C (2002) Retrospective determination of trophic relationships among pelagic fishes associated with *Sargassum*. 55th Annual Meeting of the Gulf and Caribbean Fisheries Institute, Xel Ha, Mexico.
37. Rooker JR\*, Secor DH, Zdanowicz VS (2002) Otolith elemental fingerprints of Atlantic bluefin tuna from eastern and western nurseries. American Society of Limnology and Oceanography 2002 Summer Meeting, Victoria, British Columbia, Canada
38. Rooker JR (2002) Origin of red drum stocks using otolith geochemical signatures. Texas Sea Grant Annual Meeting, College Station, TX
39. Rooker JR, Geary BW, Kraus R, Secor DH (2002) Predictive capabilities of using otolith strontium for tracing salinity histories of estuarine-dependent fishes. American Fisheries Society-Texas Chapter, Junction, TX (*Best Paper Award*)

40. Rooker JR\*, Kraus R, Secor DH (2001) Dispersive and retentive behaviors of estuarine fishes: is otolith strontium a faithful indicator of salinity history? Estuarine Research Federation, 16th Biennial International Conference, St. Petersburg, FL
41. Rooker JR, Landry AM, Harper J, Geary BW (2001) Growth, mortality, and recruitment potential of newly settled red snapper in the NW Gulf of Mexico. 131<sup>th</sup> Annual American Fisheries Society, Phoenix, AZ
42. Rooker JR\*, Landry AM (2000) Nursery habitats of red snapper (*Lutjanus campechanus*) in the NW Gulf of Mexico. 12<sup>th</sup> Annual MARFIN Conference, Tampa, FL
43. Rooker JR, Secor DH, Zdanowicz VS (2000) Discrimination of Pacific bluefin tuna from different nurseries using otolith elemental fingerprints. 2000 Annual Conference of Japanese Society of Scientific Fisheries, Tokyo, Japan
44. Rooker JR\* (2000) Unlocking the mysteries of population change in marine fishes: Pannella's rosetta stone and beyond. Department of Biological Sciences, University of West Florida, Pensacola, FL
45. Rooker JR, Zdanowicz V, Secor DH. (2000) Determining the natal origin of Pacific bluefin tuna: are the answers in the earbones? 80th Annual Meeting of the American Society of Ichthyologists and Herpetologists, La Paz, Mexico
46. Rooker JR, Zdanowicz V, Secor DH. (2000) Discriminating bluefin tuna from different nursery grounds in the Pacific Ocean using otolith elemental fingerprints. 51th Annual Tuna Conference, Lake Arrowhead, CA
47. Rooker JR, Holt GJ, Holt SA (1999) Growth, mortality, and recruitment potential of red drum (*Sciaenops ocellatus*) in a subtropical estuary. Estuarine Research Federation, 15th Biennial International Conference, New Orleans, LA.
48. Rooker JR, Zdanowicz V, Secor DH. (1999) Otolith microconstituent analysis of Atlantic bluefin tuna (*Thunnus thynnus*): assessment of protocols for elemental fingerprinting. 50th Annual Tuna Conference, Lake Arrowhead, CA
49. Rooker JR\* (1998) Otolith microconstituent analysis of Atlantic bluefin tuna. Invited lecture, University of Athens, Athens, Greece
50. Rooker JR \* (1998) Early life strategies of red drum in a subtropical estuary. Chesapeake Biological Laboratory Invited Seminar Series, University of Maryland Center for Environmental Studies, Solomons, MD
51. Rooker JR\* (1998) Life history strategies of estuarine fishes. Department of Biological Sciences, University of Rhode Island, Kingston, RI
52. Rooker JR\*, Holt SA, Holt GJ, Soto MA (1997) Utilization of subtropical seagrass meadows by newly settled sciaenids. 5th Annual Southern Division American Fisheries Society Midyear Meeting, San Antonio, TX
53. Rooker JR, Holt GJ, Holt SA (1997) Small scale variation in the recruitment densities of newly settled red drum (*Sciaenops ocellatus*): influence of food- and predator-mediated processes. American Society of Ichthyologist and Herpetologist & 21st Annual Larval Fish Conference, Seattle, WA. *Sally L. Richardson Best Paper Award (Honorable Mention)*
54. Rooker JR, Holt GJ, Holt SA (1996) Distribution of newly settled red drum (*Sciaenops ocellatus*) in estuarine nursery habitat: relationships to condition and growth. American Society of Ichthyologist and Herpetologist & 20th Annual Larval Fish Conference, New Orleans, LA (1996). *Sally L. Richardson Best Paper Award*
55. Rooker JR\*, Holt GJ (1995) Application of RNA:DNA ratios to evaluate the condition of larval and early juvenile red drum (*Sciaenops ocellatus*). 19th Larval Fish Conference, Sydney, Australia
56. Rooker JR, Holt GJ (1995) RNA:DNA ratio as a condition index for larval and juvenile red drum (*Sciaenops ocellatus*). American Fisheries Society Annual Meeting (Texas Chapter), College Station, TX

57. Rooker JR\*, Holt GJ (1995) Application of RNA:DNA ratios to assess the condition of larval and juvenile red drum (*Sciaenops ocellatus*) in estuarine nursery habitats. Estuarine Research Federation, 13th Biennial International Conference, Corpus Christi, TX
58. Rooker JR, Holt GJ, Dokken QR (1994) Spatial and temporal patterns in habitat utilization by reef fishes on an offshore petroleum platform: preliminary results. American Fisheries Society Annual Meeting (Texas Chapter), Lago Vista, TX
59. Rooker JR (1993) Ontogenetic shift in the diet, habitat, and diel feeding periodicity of the schoolmaster snapper. American Fisheries Society Annual Meeting (TX Chapter), Port Aransas, TX
60. Rooker JR, Recksieck C (1990) Effects of training with fish models in estimating lengths of fish underwater. 41<sup>st</sup> Annual Gulf and Caribbean Fisheries Institute Meeting, St. Thomas, U.S. Virgin Islands

#### **SELECTED GRADUATE STUDENT AND POST-DOC PRESENTATIONS:**

\* 8 Best Paper/poster awards by students of JR

1. Dance MA, Rooker JR (2014) Factors influencing movement and habitat use of red drum and southern flounder in estuarine seascapes. Annual Meeting of the Southern Division of American Fisheries Society, Charleston, SC.
2. Randall LL and Rooker JR (2014). Distribution and abundance of the bluntnose flyingfish (*Prognichthys occidentalis*) in the northern Gulf of Mexico. American Fisheries Society Southern Division, Charleston, South Carolina.
3. Cornic M, Rooker JR, and Alvarado-Bremer JR (2013) Influence of environmental characteristics on tuna Larvae distribution and abundance in the Northern Gulf of Mexico. 37<sup>th</sup> Annual Larval Fish Conference, Miami, FL.
4. Dance MA, Rooker JR (2013) Variation in movement and habitat use in sub-adult fishes within an estuarine seascape. 9<sup>th</sup> Annual Student Research Symposium, Texas A&M University at Galveston, Galveston, TX \**Best Student Presentation Award*
5. Kitchens, LL, Rooker, JR (2013) Discrimination of chemical signatures in otoliths of juvenile yellowfin tuna (*Thunnus albacares*) from Atlantic Ocean nursery regions. 66<sup>th</sup> Gulf and Caribbean Fisheries Institute Conference, Corpus Christi, Texas.
6. Kitchens, LL, Rooker, JR (2013) Habitat Associations of dolphinfish larvae (*Coryphaena spp.*) in the northern Gulf of Mexico. 37<sup>th</sup> Annual Larval Fish Conference, Miami, Florida.
7. Moulton DM, Dance MA, Sluis MZ, Stunz GW, Rooker JR (2013) Movement and habitat use of red drum and spotted seatrout in the Mission-Aransas National Estuarine Research Reserve. 66<sup>th</sup> Annual Conference of the Gulf and Caribbean Fisheries Institute, Corpus Christi, Texas.
8. Randall LL and Rooker JR (2013). Habitat characteristics of flyingfish (family Exocoetidae) larvae in the northern Gulf of Mexico. 66<sup>th</sup> Annual Conference of the Gulf and Caribbean Fisheries Institute, Corpus Christi, Texas. \**Student Achievement Award for Academic Excellence (Best Poster)*
9. Randall LL and Rooker JR (2013). Ocean influences on the distribution and abundance of flyingfish larvae in the northern Gulf of Mexico. 37<sup>th</sup> Annual Larval Fish Conference, Miami, FL.
10. Cornic M, Rooker JR, and Alvarado-Bremer JR (2012) Distribution and habitat of tuna larvae in the Northern Gulf of Mexico. 65<sup>th</sup> Annual Conference of the Gulf and Caribbean Fisheries Institute, Santa Marta, Columbia.
11. Dance MA, Rooker JR (2012) Habitat use and connectivity of sub-adult fishes at multiple spatial scales within an estuarine seascape. 65<sup>th</sup> Annual Gulf and Caribbean Fisheries Institute Conference, Santa Marta, Colombia.
12. Kitchens, LL, Rooker, JR (2012) Environmental influences on habitat associations of dolphinfish larvae in the Gulf of Mexico. 65<sup>th</sup> Gulf and Caribbean Fisheries Institute Conference, Santa Marta, Colombia.

13. Kitchens, LL, Rooker, JR (2012) Effect of environmental conditions on the distribution and abundance of dolphinfish larvae in the northern Gulf of Mexico. Annual Meeting of the Texas Chapter of the American Fisheries Society, Galveston, Texas.
14. Furey NB, Rooker JR (2011) Application of generalized additive models to assess spatial and temporal shifts in suitable habitat of juvenile southern flounder. 141<sup>st</sup> Annual Meeting of the American Fisheries Society, Seattle Washington
15. Kitchens, LL, Rooker, JR (2011) Distribution and abundance of dolphinfish larvae in the northern Gulf of Mexico. Annual Meeting of the American Fisheries Society, Seattle, Washington.
16. Randall LL and Rooker JR (2012). Distribution and abundance of flyingfish (family Exocoetidae) larvae in the northern Gulf of Mexico. 65<sup>th</sup> Annual Conference of the Gulf and Caribbean Fisheries Institute, Santa Marta, Colombia.
17. Wetmore LS, Rooker JR, and Heyman WD (2012) Stable isotopes as natural markers of nursery origin for juvenile snappers in back-reef systems. 65<sup>th</sup> Annual Conference of the Gulf and Caribbean Fisheries Institute, Santa Marta, Colombia.
18. Kitchens LL, Rooker JR (2011) Early life ecology of dolphinfishes in the northern Gulf of Mexico. 141<sup>st</sup> Annual Meeting of the American Fisheries Society, Seattle Washington
19. Wetmore LS, Rooker JR (2011) Trophic connectivity of juvenile snappers inhabiting back-reef nurseries in Belize. 141<sup>st</sup> Annual Meeting of the American Fisheries Society, Seattle Washington
20. Dance MA, Rooker JR (2011) Patterns of habitat use by age-1 red drum within an estuarine seascape. 141<sup>st</sup> Annual Meeting of the American Fisheries Society, Seattle Washington
21. Podsim LL, Rooker JR (2010). Distribution and abundance of dolphinfish in the Gulf of Mexico. 63<sup>rd</sup> Annual Meeting of the Gulf and Caribbean Fisheries Institute, San Juan, Puerto Rico
22. Wetmore LS, Rooker JR (2010). Characterization of cross-shelf trophic connectivity for Mesoamerican reef fish populations in Belize. 63<sup>rd</sup> Annual Meeting of the Gulf and Caribbean Fisheries Institute, San Juan, Puerto Rico
23. Wetmore LS, Rooker JR, Wells RJD, Kraus RT (2009). Reef Fish Recruitment to Low and High Diversity Banks in the Northwestern Gulf of Mexico, Texas Chapter of the American Fisheries Society, Athens, Texas
24. Simms JR, SA Holt, GJ Holt, Rooker JR (2008) Early life ecology of sailfish in the northern Gulf of Mexico, 59<sup>th</sup> Annual Tuna Conference, Lake Arrowhead, CA
25. Kraus RT, Rooker JR (2008) Movements of blue marlin in the Gulf of Mexico. 59<sup>th</sup> Annual Tuna Conference, Lake Arrowhead, CA
26. Schloesser R, Neilson JD, Secor DH, Rooker JR (2008) Natal origin of Atlantic bluefin tuna in the Gulf of St. Lawrence using  $\delta^{13}\text{C}$  and  $\delta^{18}\text{O}$  in otoliths, 59<sup>th</sup> Annual Tuna Conference, Lake Arrowhead, CA
27. Schloesser R, Neilson JD, Rooker JR (2008) Using stable isotopes in otoliths to determine the origin of bluefin tuna in the Gulf of St. Lawrence, Texas A&M University Student Symposium \**Student Award-1<sup>st</sup> Place*
28. Beck JL, Rooker JR (2007) The impact of diet on the survival skills of hatchery red drum (*Sciaenops ocellatus*), Gulf and Caribbean Fisheries Institute, Punta Cana, Dominican Republic
29. Wells RD, Kraus RT, Rooker JR (2007) Vertical habitat use of blue marlin (*Makaira nigricans*) in relation to the Loop Current in the Gulf of Mexico, 2nd Annual Electronic Tagging and Tracking Meeting, San Sebastian, Spain
30. Devine B, Simms JR, Wells RD, Rooker JR (2007) Age and growth of larval blue marlin (*Makaira nigricans*) from the Gulf of Mexico. Gulf and Caribbean Fisheries Institute, Punta Cana, Dominican Republic
31. Simms JR, Holt SA, Holt GJ, Bangma J, Rooker JR (2007) Age and growth of larval sailfish in the Gulf of Mexico, Gulf and Caribbean Fisheries Institute, Punta Cana, Dominican Republic
32. Beck JL, Rooker JR (2006) Does Pre-release Exposure to Habitat Impact Survival Skills in Hatchery Red Drum? 59<sup>th</sup> Annual Gulf and Caribbean Fisheries Institute Conference, Belize City, Belize \**Best*

*Student Paper Award*

33. Beck JL, Rooker JR (2006) Does early life exposure impact survival of hatchery red drum? American Fisheries Society, Southern Division Meeting, San Antonio, TX, USA.
34. Geary BW, Mikulas JJ, Rooker JR, Landry AM (2006) Patterns of habitat use by newly settled red snapper in the northwestern Gulf of Mexico. American Fisheries Society, Southern Division Meeting, San Antonio, TX, USA.
35. Kraus RT, Rooker JR (2006) Patterns of vertical habitat use by Atlantic blue marlin (*Makaira nigricans*) in the Gulf of Mexico. Gulf and Caribbean Fisheries Institute, Belize City, Belize.
36. Friess CR, Kraus RT, Rooker JR, Hill RL (2006) Biotic diversity of a mid-shelf bank in the northwestern Gulf of Mexico. Oral presentation at the 109th annual meeting of the Texas Academy of Science, Lamar University, Beaumont, Texas, 2 – 4 March. *\*Best Student Paper Award*
37. Friess CR, Kraus RT, Rooker JR, Hill RL (2006) Biotic diversity of a mid-shelf bank in the northwestern Gulf of Mexico. Poster presentation at the 14th annual meeting of the Southern Division of the American Fisheries Society, San Antonio, Texas, 8 – 12 February.
38. Glass LG, Rooker JR, Holt GJ, Kraus RT (2005) Distribution, condition, and growth of newly settled southern flounder (*Paralichthys lethostigma*) in the Galveston Bay Estuary, TX. 18<sup>th</sup> Biennial Conference of the Estuarine Research Federation, Norfolk, Virginia
39. Mikulas J Jr, Rooker JR., Landry AM Jr, Dellapenna T (2005) Age, growth, and distribution of juvenile lane snapper on natural banks in the northwestern Gulf of Mexico. 3<sup>rd</sup> Annual Pathways Student Research Symposium, Texas A&M-Kingsville
40. Glass LA, Rooker JR, Kraus, RT (2005) Patterns of habitat use by newly settled southern flounder (*Paralichthys lethostigma*) in the Galveston Bay Estuary, Poster Presentation at the 135<sup>th</sup> Annual Meeting of the American Fisheries Society, Anchorage, AK
41. Mikulas, J Jr., Rooker JR, Landry AM Jr., Dellapenna T (2005) Age, growth, and distribution of juvenile lane snapper on natural banks in the northwestern Gulf of Mexico. 135<sup>th</sup> Annual Meeting of the American Fisheries Society, Anchorage, Alaska
42. Kraus RT, Rooker JR (2006) Movements of blue marlin in the Gulf of Mexico recorded with PAT tags. Poster presentation at the 14th annual meeting of the Southern Division of the American Fisheries Society, San Antonio, Texas, 8 – 12 February.
43. Kraus RT, Hill RL, Rooker JR (2005) Comparison of ROV and SCUBA approaches to quantify reef fish abundances in the NW Gulf of Mexico. Poster presentation at the 135<sup>th</sup> annual meeting of the American Fisheries Society, Anchorage, Alaska, 11 – 16 September
44. Kraus RT, Rooker JR (2005) Seasonal and diel movements of blue marlin (*Makaira nigricans*) in the Gulf of Mexico. Oral presentation at the 56th annual Tuna Conference hosted by the Inter-American Tropical Tuna Commission, Lake Arrowhead Convention Center (UCLA), California, 23 – 26 May.
45. Beck JR, Rooker JR (2005) Effect of rearing environment on the development of survival skills in hatchery red drum. 135<sup>th</sup> Annual Meeting of the American Fisheries Society, Anchorage, AK
46. Kraus, RT, Hill RL, Rooker JR, Dellapenna TM (2004) Preliminary characterization of a mid-shelf bank in the northwestern Gulf of Mexico as essential habitat of reef fishes. 57<sup>th</sup> Gulf and Caribbean Fisheries Institute Meeting, St. Petersburg, FL.
47. Cai, Y, Rooker JR, Gill G (2004) Exploring the relationship between mercury content and dietary history of pelagic fishes in NW Gulf of Mexico. 2nd Annual Texas A&M University System Pathways, Corpus Christi, TX. *\*Best Student Paper Award-3<sup>rd</sup> place*
48. Cai, Y, Rooker JR, Gill G (2004) Bioaccumulation of Mercury in Pelagic Fishes from NW Gulf of Mexico. 57<sup>th</sup> Gulf and Caribbean Fisheries Institute Meeting, St. Petersburg, FL
49. Lowe M, Rooker JR (2004) Preliminary Investigation of the Use of Daily Growth Increments in the Sagittal Otoliths of Blackfin Tuna 'Thunnus atlanticus' for Age Determination." Texas Chapter of the American Fisheries Society Annual Meeting February 8-10, College Station, TX
50. Turner, JP, JR Rooker (2003) Effect of diet on fatty acid signature and turnover rates in an estuarine dependent fish. ERF, Seattle, Washington.

51. Lowe M, JR Rooker (2003) Preliminary Investigation of the use of daily growth increments in the sagittal otoliths of blackfin tuna *Thunnus atlanticus* for age determination. Texas A&M University System Pathways Student Research Symposium November 14-15, Galveston, TX
52. Turner JP, Rooker JR, Worthy GA (2002) Tracing food web interactions within *Sargassum* communities using fatty acids. American Society of Limnology and Oceanography 2002 Summer Meeting, Victoria, British Columbia, Canada
53. Harper JO, Rooker JR, Landry AM (2002) Fish assemblages on a bathymetric high off Freeport, Texas. American Fisheries Society-Texas Chapter, Junction, TX.
54. Turner JP, Rooker JR (2002) Variation in Fatty Acid Signatures within *Sargassum* mat communities. Texas Chapter – American Fisheries Society Annual Conference. January 20-22, Junction, Texas \* *Best Student Paper Award*
55. Wells RJD, Rooker JR (2001) Distribution and abundance of fishes associated with Sargassum mats in the NW Gulf of Mexico. 54th Annual Meeting of the Gulf and Caribbean Fisheries Institute, Providenciales, Turks and Caicos Islands, BWI \**Best Student Paper Award*
56. Harper JO, Rooker JR, Landry AM (2001) Importance of shell-ridge zones in the NW Gulf of Mexico as nursery habitat of red snapper (*Lutjanus campechanus*). American Fisheries Society-Texas Chapter, San Marcos, TX.
57. Harper JO, Rooker JR, Landry AM (2001) Distribution and abundance of fishes on a bathymetric high off Freeport, Texas. 131<sup>th</sup> Annual American Fisheries Society, Phoenix, AZ
58. Johnson, M.W., J.R. Rooker, and D.M. Gatlin III (2001) Effects of variable environmental factors on somatic growth and otolith growth of juvenile red drum. Triennial Meeting of the World Aquaculture Society, Orlando
59. Turner JP, Rooker JR, Worthy GAW, Holt SA (2001) Trophic ecology of fauna associated with *Sargassum* mats in the northwestern Gulf of Mexico. American Fisheries Society-Texas Chapter, San Marcos, TX \**Best Student Paper Award*
60. Turner JP, Rooker JR, Worthy GAW, Holt SA (2001) Trophic ecology of fauna associated with *Sargassum* mats in the NW Gulf of Mexico. American Fisheries Society Annual Conference. August 19-23, Phoenix, Arizona.
61. Geary, BW, Rooker JR, Webb JW (2000) Utilization of salt marsh shorelines by newly settled sciaenids in West Galveston Bay, Texas. 80th Annual Meeting of the American Society of Ichthyologists and Herpetologists, La Paz, Mexico
62. Johnson, M.W., J.R. Rooker, and D.M. Gatlin III (2000) Effect of variable environmental conditions on somatic and otolith growth for juvenile red drum, *Sciaenops ocellatus*. 80th Annual Meeting of the American Society of Ichthyologists and Herpetologists, La Paz, Mexico
63. Geary, BW, Rooker JR, Webb JW (2000) Utilization of salt marsh edge habitats by newly settled sciaenids in West Galveston Bay, Texas. Tri-state meeting of the American Fisheries Society, Bossier City, LA

#### **MEDIA COVERAGE:**

##### **Science Magazine**

*Natal homing and connectivity in Atlantic bluefin tuna populations*

<http://www.sciencemag.org/cgi/content/abstract/1161473>

(Podcast Interview)

<http://www.sciencemag.org/cgi/content/full/sci;1161473/DC2>

##### **Nature**

*Boomerang bluefins*

<http://www.nature.com/nature/journal/v455/n7214/full/455710d.html>

##### **Science Daily**

*Atlantic Tuna Return Thousands Of Miles To Birthplace To Spawn*

<http://www.sciencedaily.com/releases/2008/10/081002172443.htm>

**Science News**

*Bicoastal Atlantic bluefin tuna*

[http://www.sciencenews.org/view/generic/id/37124/title/Bicoastal\\_Atlantic\\_bluefin\\_tuna](http://www.sciencenews.org/view/generic/id/37124/title/Bicoastal_Atlantic_bluefin_tuna)

**Canada Com**

*East Coast 'critical' refuge for bluefin tuna*

<http://www.canada.com/topics/news/national/story.html?id=5369d10c-e760-4f53-a9b4-672ce1a0214b>

**New York Times**

*Tuna Imperiled by Its Bicoastal Habits*

<http://dotearth.blogs.nytimes.com/2008/10/02/tuna-imperiled-by-bicoastal-habits/>

**Vancouver Sun**

*Better protection urged for imperilled bluefin tuna*

<http://www.canada.com/vancouvernews/news/story.html?id=329fa962-3398-4205-90bd-410127ef6fde>

**USA Today**

*Young bluefin tuna cross the Atlantic to mingle*

[http://www.usatoday.com/tech/science/2008-10-02-bluefin-tuna\\_N.htm](http://www.usatoday.com/tech/science/2008-10-02-bluefin-tuna_N.htm)

**World News**

*Migration study breaks misconception on bluefin tuna*

<http://fis.com/fis/worldnews/worldnews.asp?monthyear=10-2008&day=6&id=30022&l=e&country=&special=&ndb=1&df=0>

**Yahoo News**

*Tuna returns thousands of miles to spawn at birthplace*

<http://in.news.yahoo.com/43/20081003/982/tsc-tuna-returns-thousands-of-miles-to-s.html>

**EurekaAlert**

[http://www.eurekaalert.org/pub\\_releases/2008-10/tau-atr100208.php](http://www.eurekaalert.org/pub_releases/2008-10/tau-atr100208.php)

[http://www.eurekaalert.org/pub\\_releases/2008-10/uomc-sfn092908.php](http://www.eurekaalert.org/pub_releases/2008-10/uomc-sfn092908.php)

**MSNBC**

*Tuna travel across the Atlantic as youngsters*

<http://www.msnbc.msn.com/id/26995076/wid/18298287/>

**Wildlife Extra**

*Bluefin tuna migration patterns revealed for Mediterranean and Western Atlantic populations*

<http://www.wildlifeextra.com/go/news/bluefin-migration323.html>

**International Herald Tribune**

*Tuna found to travel across Atlantic*

<http://www.iht.com/articles/ap/2008/10/02/america/NA-SCI-US-Traveling-Tuna.php>

**World Fishing Today**

*Scientists have observed new migratory patterns for Mediterranean and western Atlantic bluefin*

<http://www.worldfishingtoday.com/news/default.asp?nyId=1758>

**Monterrey Bay Aquarium**

*New Research Documents Structure, Mixing of Atlantic Bluefin Tuna Populations*

[http://www.monterreybayaquarium.org/aa/pressroom/web/PressRelease\\_view.aspx?enc=a57yaagSd5WK/8ln3t/V3Q](http://www.monterreybayaquarium.org/aa/pressroom/web/PressRelease_view.aspx?enc=a57yaagSd5WK/8ln3t/V3Q)

**Japan Times**

*Tuna's just too cheap: Japanese appetites are set to eat these fish to the brink of extinction*

<http://search.japantimes.co.jp/cgi-bin/fe20081008rh.html>

**New York Sun**

*Researchers Hope Science Can Save Bluefin Tuna*

<http://www.nysun.com/foreign/researchers-hope-science-can-save-bluefin-tuna/68555/>

**Washington Post**

*Advocates Hope Science Can Save a Big Tuna*

[http://www.washingtonpost.com/wp-dyn/content/article/2007/12/23/AR2007122301515\\_pf.html](http://www.washingtonpost.com/wp-dyn/content/article/2007/12/23/AR2007122301515_pf.html)

**Science Now**

*Marine food web has unexpected base*

<http://sciencenow.sciencemag.org/cgi/content/long/2002/620/2>