

# Jay R. Rooker

## Address

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## Education

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

## Professional Experience

Regents Professor, Department of Marine Biology, Department of Ecology and Conservation Biology (Joint Appointment), Texas A&M University, 2014-present  
Director, Gulf Research Institute for Highly Migratory Species, Texas A&M University at Galveston, 2022-present  
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

## Peer-Reviewed Publications

- ◆ 55 peer-reviewed publications with graduate or undergraduate student as *first author*
- ◆ 33 peer-reviewed publications by JRR as *first author*
- ◆ 18 papers by JRR as *first author* with 100+ citations [i100-index]
- ◆ Rooker lab member underlined; \*graduate or \*\*undergraduate student

(128) Stephens SA\*, Dance MA, Kline RJ, Zapp Sluis M, Stunz GW, Adams AA, Wells RJD, **Rooker JR** (2024) Spatial distribution and movement of Atlantic tarpon (*Megalops atlanticus*) in the northern Gulf of Mexico. *PLoS ONE* 19(3): e0298394.

(127) Annandale SF\*, Turner JT, Lippi DL, Dance MA, Wells RJD, **Rooker JR** (2024) Habitat use and movements of parrotfishes in a Hawaiian coral reef seascape. *Frontiers in Fish Science* 2:1448809.

(126) Uematsu Y, Ishihara T, Shimose T, Chen K-S, Mohan JA, **Rooker JR**, Wells RJD, Snodgrass O, Dewar H, Ohshimo S, Tanaka Y (2024). Distinct natal origins based on vertebral ring analysis reveal migration pattern of Pacific bluefin tuna in the North Pacific Ocean *Marine Ecology Progress Series* 743: 65-74

- (125) Liu H, Kobari T, **Rooker JR**, Bi H, Quigg A (2024) Dynamic oceanographic influences on zooplankton communities over the northern Gulf of Mexico continental shelf. *Journal of Sea Research* 199(4): 102501
- (124) Diaz-Arce N, Gagnaire PA, Richardson D, Walter J, Arnaud-Haond,..**Rooker JR** et al. (2024). Unidirectional trans-Atlantic gene flow and a mixed spawning area shape the genetic connectivity of Atlantic bluefin tuna. *Molecular Ecology* 3(1):e17188
- (123) Ramirez-Mendoza Z\*, Sosa-Nishizaki O, Pardo MA, Herzka SZ, Wells RJD, **Rooker JR**, Falterman BJ, Dreyfus-Leon M (2024). Mesoscale activity drives the habitat suitability of yellowfin tuna in the Gulf of Mexico: Seasonal and interannual predictions. *Scientific Reports* (2024) 14:8256
- (122) Steffen C\*, Stephens SA\*, Dance MA, Lippi DL, Jensen CC, Wells RJD, **Rooker JR** (2023). Estuarine-coastal connectivity and partial migration of southern flounder in the Gulf of Mexico. *Estuarine, Coastal and Shelf Science* 294 (2023) 108545 <https://doi.org/10.1016/j.ecss.2023.108545>
- (121) **Rooker JR**, Zapp Sluis M, Kitchens LL\*, Dance MA, Falterman B, Lee JM, Liu H, Miller N, Murua H, Rooker AM\*\*, Saillant E, Walter J, Wells RJD (2023) Nursery origin of yellowfin tuna in the western Atlantic Ocean: significance of Caribbean Sea and trans-Atlantic migrants. *Scientific Reports* 13, 16277 (2023). <https://doi.org/10.1038/s41598-023-43163-1>
- (120) Trueman CN, Artetxe-Arrate I, Kerr LA, Meijers A, **Rooker JR** et al. (2023). Thermal sensitivity of field metabolic rate predicts differential futures for bluefin tuna juveniles across the Atlantic Ocean. *Nature Communications* (2023) 14:7379 <https://doi.org/10.1038/s41467-023-41930-2>
- (119) Sanchez PJ\*, Dance MA, Kraus RT, Hill RL, **Rooker JR** (2023) Fish community characterization of mid-shelf and shelf-edge mesophotic coral ecosystems in the expanded Flower Garden Banks National Marine Sanctuary. *Bulletin of Marine Science* [doi.org/10.5243/bms.2022.0014](https://doi.org/10.5243/bms.2022.0014)
- (118) Gough B\*\*, Prouse A\*, Dance MA, Wells RJD, **Rooker JR** (2023). Regional variation in the trophic ecology of wahoo (*Acanthocybium solandri*) in the western Atlantic Ocean. *Fishes* 2023, 8, 519. <https://doi.org/10.3390/fishes8100519>
- (117) Quigg A, Wells RJD, **Rooker JR**, Hill RL, Kitchens LL\*, Dance MA, Moulton DL\*, Sanchez PJ\*, Ferreira BP (2023) Food web connectivity in a mangrove-seagrass-patch reef (MSP) seascape: lessons from a tropical back-reef in Puerto Rico. *Fishes* 2023, 8(1) 44 <https://doi.org/10.3390/fishes8010044>
- (116) Mohan JA, Dewar H, Snodgrass OE, Miller NR, Tanaka Y, Ohshimo S, **Rooker JR**, Francis M, Wells RJD (2022) Otolith geochemistry reflects life histories of Pacific bluefin tuna *PLoS ONE* 7(10): e0275899. <https://doi.org/10.1371/journal.pone.0275899>
- (115) Li C\*, Ciannelli L, Bancroft M, **Rooker JR**, Ryer C, Liu H (2022) Interplay of temperature and hypoxia in habitat quality for juvenile demersal fish off the Oregon coast, USA. *Canadian Journal of Fisheries and Aquatic Science* 79(10): 1667-1680

(114) [Lippi DL\\*](#), Coxey MS, **Rooker JR**, Rezende SM, Gaspar ALB, Maida M, Ferreira BP (2022) Use of acoustic telemetry to evaluate fish movement, habitat use, and protection effectiveness of a coral reef no-take zone in Brazil. *Marine Ecology Progress Series* 688:113-131

(113) Sutton TS, Milligan RJ, Boswell KM, Cook AB, Cornic M, Daly K, Frank T, Frasier K, Hahn D, Hernandez F, Hildebrand J, Hu C, Johnston M, Joye SB, Judkins H, Moore JA, Murawski SA, Pruzinsky NN, Quinlan JA, Rensen A, Robinson K, Romero I, **Rooker JR**, Vecchione M, Wells RJD (2022) The open-ocean Gulf of Mexico after *Deepwater Horizon*: Synthesis of a decade of research. *Frontiers in Marine Science* 9:2022.753391 doi:10.3389/fmars.2022.753391

(112) [Sanchez PJ\\*](#), [Sluis Zapp M](#), [Pinsky J\\*](#), **Rooker JR** (2022) Population structure and regional connectivity of snowy grouper *Hyporthodus niveatus* in the Gulf of Mexico and western Atlantic Ocean. *Marine and Coastal Fisheries* 14e:10199 doi:10.1002/mcfs.10199

(111) Blakeway RD\*, Fogg AQ, Johnston MA, **Rooker JR**, Jones GA (2022) Key life history attributes and removal efforts of invasive lionfish in the Flower Garden Banks National Marine Sanctuary, northwestern Gulf of Mexico. *Frontiers in Marine Science* 9: 2022.774407  
DOI=10.3389/fmars.2022.774407

(110) [Sanchez PJ\\*](#), **Rooker JR** (2021) Age, growth, and mortality of threatened Warsaw grouper, *Hyporthodus nigritus*, in the Gulf of Mexico *Fisheries Research* 243: (2021) 106097

(109) Wells RJD, **Rooker JR**, Addis P, Arrizabalaga H, Baptista M, Bearzi G, Fraile I, Lacoue-Labarthe T, Megalofonou P, Rosa R, Sobrino I, Sykes A, Villanueva R (2021) Regional patterns  $\delta^{13}\text{C}$  and  $\delta^{15}\text{N}$  for the European common cuttlefish (*Sepia officinalis*) throughout the Northeast Atlantic Ocean and Mediterranean Sea. *Royal Society Open Science* 8: (2021) 210345

(108) **Rooker JR**, Wells RJF, Block BA, Liu H, Baumann H, Chiang WC, [Sluis Zapp M](#), Miller NR, Mohan JA, Seiji Ohshimo S, Tanaka Y, [Dance MA](#), Dewar D, Snodgrass OE, Shiao JC (2021) Natal origin and age-specific egress of Pacific bluefin tuna from coastal nurseries revealed with geochemical markers. *Scientific Reports* 11: (2021) 14216

(107) [Zapp Sluis M](#), Judkins H, [Dance MA](#), Vecchione M, [Cornic M\\*](#), Sutton T, **Rooker JR** (2021) Family composition, abundance and habitat associations of squid paralarvae in the northern Gulf of Mexico *Deep Sea Research Part 1* 174: (2021) 103572

(106) [Cornic M\\*](#), **Rooker JR** (2021) Temporal shifts in the abundance and preferred habitats of yellowfin and bigeye tuna larvae in the Gulf of Mexico. *Journal of Marine Systems* 217: (2021) 103524

(105) Plumlee JD\*, Hala DN, Rooker JR, Shipley JB, Wells RJD (2021) Trophic ecology of fishes associated with artificial reefs assessed using multiple biomarkers. *Hydrobiologia* doi.org/10.1007/s10750-021-04647-1

- (104) Wells RJD, Quesnell VA\*, Humphreys RL, Dewar H, **Rooker JR**, Alvarado Bremer J, Snodgrass OE (2021) Nursery origin and population connectivity of swordfish *Xiphias gladius* in the North Pacific Ocean. *Journal of Fish Biology*
- (103) Dance MA, **Rooker JR**, Kline RJ, Quigg A, Stunz GR, Wells RJD, Lara K, Lee JM, Suarez R\* (2021) Importance of low-relief nursery habitat for reef fishes. *Ecosphere* 12(6): e03542. 10.1002/ecs2.3542
- (102) Traina A, Quinci E, Fraile I, Oray I, Arrizabalaga H, Karakulak F, **Rooker JR** (2021) Regional variation in the otolith chemistry of age-0 Atlantic bluefin tuna from nurseries in the Mediterranean Sea. *Journal of Applied Ichthyology* 37: 318–325
- (101) Sanchez PJ\*, Zapp-Sluis M, Dance MA, Falterman B, Allman R, **Rooker JR** (2020) Application of otolith chemistry at multiple life stages to assess the population structure of Warsaw Grouper. *Marine Ecology Progress Series* 651: 111-123
- (100) **Rooker JR**, Wells RJD, Addis P, Arrizabalaga H, Baptista M, Bearzi G, Dance MA, Fraile I, Lacoue-Labarthe T, Lee JM, Megalofonou P, Rosa R, Sobrino I, Sykes A, Villanueva R (2020) Natural geochemical markers reveal environmental history and population connectivity of common cuttlefish in the Atlantic Ocean and Mediterranean Sea. *Journal of the Royal Society Interface* 17: 20200309. doi: 10.1098/rsif.2020.0309
- (99) Meinert CR\*, Clausen-Sparks C\*, Cornic M\*, Sutton TT, **Rooker JR** (2020) Taxonomic richness and diversity of larval fish assemblages in the oceanic Gulf of Mexico: links to oceanographic conditions. *Frontiers in Marine Science* 7:579. doi: 10.3389/fmars.2020.00579
- (98) TinHan T\*, O'Leary S, Portnoy D, **Rooker JR**, Gelpi C, Wells RJD (2020) Natural tags identify nursery origin of a coastal elasmobranch (*Carcharhinus leucas*). *Journal of Applied Ecology* doi: 10.1111/1365-2664.13627
- (97) Wetmore L\*, Dance MA, Hill R, **Rooker JR** (2020). Community dynamics of fish assemblages on mid and outer shelf coral reefs in the Northwestern Gulf of Mexico. *Frontiers in Marine Science* 7:152. doi: 10.3389/fmars.2020.00152
- (96) Plumlee JD\*, Dance KM\*, Dance MA, **Rooker JR**, TinHan TC\*, Shipley JB, Wells RJD (2020) Fish assemblages associated with artificial reefs assessed using multiple gear types in the Northwest Gulf of Mexico. *Bulletin of Marine Science* 6(4):655–677
- (95) Wells RJD, Dewar H, Mohan JA, **Rooker JR**, Snodgrass OE, Kohin S, Miller NR, Yosuke Tanaka Y, Ohshimo S (2020) Natal Origin of Pacific Bluefin Tuna from the California Current Large Marine Ecosystem. *Biology Letters* 16: 20190878.
- (94) **Rooker JR**, Dance MA, Wells RJD, Ajemian MJ, Block BA, Castleton MR, Drymon JM, Falterman BJ, Franks JS, Hammerschlag N, Hendon JM, Hoffmayer ER, Kraus RT, McKinney JA, Secor DH, Stunz GW, Walter JF (2019) Population connectivity of pelagic megafauna in the Cuba-Mexico-United States triangle. *Scientific Reports* 9: 1663 doi: 10.1038/s41598-018-38144-8

(93) Sanchez PJ\*, Pinsky J\*, **Rooker JR** (2019) Bomb Radiocarbon Age Validation of Warsaw Grouper and Snowy Grouper Journal. *Fisheries* 44: 524-533 doi: 10.1002/fsh.10291

(92) **Rooker JR**, Fraile I, Liu H, Abid N, Dance MA, Itoh T, Kimoto A, Tsukahara Y, Rodriguez-Marin E, Arrizabalaga H (2019) Wide-ranging temporal variation in transoceanic movement and population mixing of bluefin tuna in the North Atlantic Ocean. *Frontiers in Marine Science* 6: 398. doi: 10.3389/fmars.2019.00398

(91) Rodríguez-Ezpeleta N, Díaz-Arce N, Walter III JF, Richardson DE, **Rooker JR** et al. (2019) Genetic assignment of Atlantic bluefin tuna natal origin: a new tool for improved management. *Frontiers in Ecology and the Environment* 17: 439-444 doi:10.1002/fee.2090

(90) **Rooker JR**, Secor DH (2019) Otolith microchemistry: migration and ecology of Atlantic bluefin tuna. In: *The Future of Bluefin Tuna: Ecology, Fisheries Management, and Conservation*, Block BA (ed.), Johns Hopkins University Press pp. 45-66

(89) Dance MA, **Rooker JR** (2019) Cross-shelf habitat shifts by red snapper (*Lutjanus campechanus*) in the Gulf of Mexico. *PLoS ONE* 14(3): e0213506. <https://doi.org/10.1371/journal.pone.0213506>

(88) Kitchens LL\*, **Rooker JR**, Reynal L, Falterman BJ, Saillant E, Murua H (2018) Discriminating among yellowfin tuna *Thunnus albacares* nursery areas in the Atlantic Ocean using otolith chemistry *Marine Ecology Progress Series* 603: 201-213

(87) **Rooker JR**, Dance MA, Wells RJD, Quigg A, Hill RL, Appeldoorn RS, Ferreira BD, Boswell KM, Sanchez PJ\*, Moulton DL\*, Kitchens LL\*, Rooker GJ, Aschenbrenner A\* (2018) Seascape connectivity and the influence of predation risk on the movement of fishes inhabiting a back-reef ecosystem. *Ecosphere* 9(4) e02200

(86) Dance KM\*, **Rooker JR**, Shipley JB, Dance MA, Wells RJD (2018) Feeding ecology of fishes associated with artificial reefs in the northwest Gulf of Mexico. *PLoS ONE* 13(10)e0203873

(85) Puncher GN, Cariani A, Maes GE, Van Houdt J, Herten K, Cannas R, Rodriguez-Ezpeleta N, Albaina A, Estonba MA, Lutcavage M, Hanke A, **Rooker JR**, Franks JS, Quaattro, 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* 18: 620-638

(84) Cornic M\*, Smith BL\*, Kitchens LL\*, 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

(83) Cornic M\*, **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* 201:1-10

- (82) 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* 75: 892-902
- (81) 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* 7(1): e30161 doi:10.1371/journal.pone.0030161
- (80) Kitchens LL\*, Paris CB, Vaz AC, Ditty JG, Cornic M\*, 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
- (79) Luque PL, 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
- (78) Moulton DL\*, Dance M\*, Williams JA, Sluis MZ, Stunz GW, **Rooker JR** (2017) Habitat partitioning and movement of red drum and spotted seatrout. *Estuaries and Coasts* 40: 905-916
- (77) Dance MA\*, **Rooker JR** (2016) Stage-specific variability in habitat associations of juvenile red drum across a latitudinal gradient. *Marine Ecology Progress Series* 557: 221-235
- (76) Dance MA\*, Moulton DL\*, Furey NB\*, **Rooker JR** (2016) Does transmitter placement or species affect detection efficiency of tagged animals in biotelemetry research. *Fisheries Research* 183: 80-85
- (75) **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
- (74) 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
- (73) Aschenbrenner A\*, Padovani Ferreira B, **Rooker JR** (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
- (72) Pecoraro C, Babbucci M, Villamor A, Franch R, Papetti C, Leroy B, Ortega-Garcia S, Muir J, **Rooker JR**, 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
- (71) 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

- (70) 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
- (69) Dance MA\*, **Rooker JR** (2015) Habitat- and bay-scale connectivity of sympatric fishes in an estuarine nursery. *Estuarine, Coastal and Shelf Science* 167: 447-457
- (68) 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
- (67) Randall LL\*, 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
- (66) 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
- (65) 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
- (64) 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
- (63) Fraile I, 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
- (62) Kitchens LL\*, **Rooker JR** (2014) Habitat associations of dolphinfish in the Gulf of Mexico. *Fisheries Oceanography* 23: 460-471
- (61) **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
- (60) 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
- (59) Dance MA\*, Bello G, Furey NB\*, **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
- (58) **Rooker JR**, Kitchens LL\*, Dance MA\*, Wells RJD, Falterman B, Cornic M\* (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.

- (57) Furey NB\*, Dance MA\*, **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
- (56) Furey NB\*, **Rooker JR** (2013) Spatial and temporal shifts in suitable habitat of juvenile southern flounder (*Paralichthys lethostigma*). *Journal of Sea Research* 76: 161-169
- (55) **Rooker JR**, Simms JR\*, Wells RJD, Holt SA, Holt GJ, Graves JE, Furey NB\* (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
- (54) 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
- (53) Wells RJD, **JR Rooker**, DG Itano (2012) Nursery origin of yellowfin tuna in the Hawaiian Islands. *Marine Ecology Progress Series* 461: 187–196, 2012
- (52) Beck JL\*, **Rooker JR** (2012) Effect of predator exposure on the performance and survival of red drum (*Sciaenops ocellatus*). *Environmental Biology of Fishes* 93:267–276
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- (50) Kraus RT, Wells RJD, **Rooker JR** (2011) Horizontal movement of Atlantic blue marlin (*Makaira nigricans*) in the Gulf of Mexico. *Marine Biology* 158: 699-713
- (49) **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
- (48) Wells RJD, **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
- (47) Simms JR\*, **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
- (46) Schloesser RW\*, 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
- (45) Schloesser RW\*, **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



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- (43) Wells RDJ, 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
- (42) **Rooker JR**, Secor DH, DeMetrio G, Schloesser R\*, Block BA, Neilson JD (2008) Natal homing and connectivity in Atlantic bluefin tuna populations. *Science* 322: 742-744 doi:10.1126/Science.1161473
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- (40) **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
- (39) Beck JL\*, **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.
- (38) Glass LA\*, **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
- (37) **Rooker JR**, Alvarado Bremer JR, Block BA, Dewar H, De Metrio G, Kraus RT, Prince ED, Rodriguez-Marin E, Secor DH (2007) Life history and stock structure of Atlantic bluefin tuna (*Thunnus thynnus*). *Reviews in Fisheries Science* 15(4):265-310
- (36) Cai Y\*, **Rooker JR**, Gill G, Turner JP\* (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
- (35) 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
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- (25) **Rooker JR**, Landry AM, **Geary BW\***, **Harper JA\*** (2004) Assessment of a bathymetric high and associated habitat as nursery grounds of postsettlement red snapper. *Estuarine, Coastal and Shelf Science* 59: 653-661
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- (7) **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
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(5) **Rooker JR** (1995) Feeding ecology of the schoolmaster snapper, *Lutjanus apodus* (Walbaum), from southwestern Puerto Rico. *Bulletin of Marine Science* 56: 886-899

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### **In Review**

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- (1) **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

- ◆ Number of External Awards (59)
- ◆ Number of External Awards as Principal Investigator or PI/TAMUG Lead (31)
- ◆ Number of Federal Awards (31)
- ◆ Over \$16.5 million in funding to TAMUG

1. NOAA/NGI/MSU 2023-2026  
Restoring for bluefin tuna via fishing depth optimization  
[Project PI: Drymon [MSU] \$2.0 million; PI/TAMUG Lead: J. Rooker]  
\$302,028 to TAMUG (NA220AR4050190)
2. NOAA 2023-2025  
Characterizing and reducing post-release mortality of blue marlin  
[Project PI: Dance [LSU] Co-PI D. Wells, J. Rooker]  
\$38,971 to TAMUG
3. Cooperative bottom longline survey (SEAMAP) 2023-2025  
[Project PI: D Wells, Co-PI J. Rooker]  
\$45,421
4. US Fish and Wildlife Service 2022-2024  
Movement and habitat use of predatory fishes throughout GBC  
[PI: D. Wells, Co-PI: J. Rooker] \$201,439
5. MS-AL Sea Grant 2022-2025  
Estimating the absolute abundance of greater amberjack in US  
[Consortium PI: S. Powers] \$9.0 million [PI/TAMUG Lead: J. Rooker]  
\$970,033 to TAMUG
6. NOAA-NOS-NCCOS 2021-2025  
Habitat requirements and ecosystem connectivity of reef-associated fishes  
[PI: J. Rooker] \$1,985,028 (NA21NOS4780151)
7. Texas Parks and Wildlife Department 2021-2022  
Temporal movement of fishes in Sabine Lake using bioacoustics  
[PI: D. Wells, Co-PI: J. Rooker] \$131,800
8. Bureau of Ocean Energy Management (BOEM) 2020-2023  
Assessing the Impact of Seismic Air Guns on Fishes  
[PI: A. Sirovic, Co-PI: J. Rooker], \$259,919
9. Bonefish and Tarpon Trust 2019-2021  
Habitat Use and Movement of Tarpon along the Texas Coast  
[PI: J. Rooker], \$82,060

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| 10. Texas Comptroller<br>A Multi-Disciplinary Ecosystem Assessment of West Matagorda Bay<br>[PI: G. Stunz, Co-PIs: D. Wells, J. Rooker], \$3,400,00   | 2019-2022 |
| 11. State Wildlife Grant Program (USFWS/TPWD)<br>Habitat use and Movement Ecology of Southern Flounder and Alligator Gar<br>[PI: J. Rooker, Co-PI: D. Wells], \$100,000   | 2019-2020 |
| 12. The Lyons Charitable Foundation<br>Texas Tarpon Tagging Initiative<br>[PI: J. Rooker], \$70,035   | 2019-2021 |
| 13. NOAA MS/AL Sea Grant Consortium<br>Estimating the absolute abundance of Red Snapper in the U.S. Gulf of Mexico<br>[PI: G. Stunz] \$9.5 million [PI/TAMUG Lead: J. Rooker, Co-PIs D. Wells, H. Liu]<br>\$1,379,698 to TAMUG (NA16OAR4170181) | 2017-2020 |
| 14. NOAA Saltonstall Kennedy Program<br>Ocean basin connectivity of Pacific bluefin tuna: linking natal origin and trans-Pacific movements into population dynamics<br>[PI: Wells, Co-PI: J. Rooker], \$291,298 (NA17NMF4270224)                | 2017-2020 |
| 15. NOAA Marine Fisheries Initiative (MARFIN)<br>Life history and population structure of Snowy and Warsaw Grouper in U.S.<br>[PI: J. Rooker], \$393,520 (NA16NMF4330161)   | 2016-2020 |
| 16. NOAA Saltonstall Kennedy Program<br>Origin of yellowfin tuna in the western Atlantic Ocean: importance of outside production to US fisheries<br>[PI: J. Rooker], \$278,823 (NA16NMF4270221)   | 2016-2019 |
| 17. State Wildlife Grant Program<br>Temporal variability in the egress and ingress of estuarine-dependent fishes<br>[PI: J. Rooker], \$126,720  | 2016-2017 |
| 18. National Oceanic and Atmospheric Administration - Sea Grant<br>Estimating Red Snapper absolute abundance on artificial and natural structures<br>[PI: G. Stunz, Co-PI: J. Rooker], \$99,595.  | 2016-2017 |
| 19. NOAA Bluefin Tuna Research Program<br>Development of mixed-stock models for determining the origin of bluefin tuna<br>[PI: J. Rooker], \$116,909 (NA15NMF4720107)   | 2015-2016 |



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| 20. NOAA Cooperative Research Program<br>Ocean basin connectivity of Pacific bluefin tuna<br>[Co-PI: J. Rooker], \$70,000   | 2016-2017 |
| 21. Texas OneGulf<br>Restoring and enhancing nursery habitats to increase fisheries production<br>[PI: A. Quigg, Co:PI J. Rooker], \$223,752  | 2016-2018 |
| 22. State Wildlife Grant Program<br>Identification of shark nurseries along the Texas coast<br>[PI: D. Wells, Co-PI: J. Rooker], \$100,000  | 2016-2017 |
| 23. Texas Parks and Wildlife Department<br>Biomass and Community Structure of Reef Fishes on TPWD Artificial Reefs<br>[Co-PI: J. Rooker], \$518,773   | 2016-2018 |
| 24. Gulf of Mexico Research Institute<br>DEEPEND: Gulf of Mexico Deep-Pelagic Nekton Dynamics<br>[PI: Tracey Sutton [Nova SE], Co-PIs: J. Rooker & others], TAMUG award \$1,505,191<br>(J. Rooker subcontract \$742,340)          | 2015-2018 |
| 25. Texas Parks and Wildlife Department<br>Biomass and Community Structure of Reef Fishes on TPWD Artificial Reefs<br>[Co-PI: J. Rooker], \$462,566   | 2014-2015 |
| 26. Louisiana Department of Wildlife and Fisheries<br>Nursery origin of yellowfin tuna in the Gulf of Mexico using 'natural' tags<br>[PI: J. Rooker], \$458,489   | 2012-2015 |
| 27. ICCAT (Spain)/GBYP (Phase 1-3)<br>Biological and genetic analysis of bluefin tuna-Atlantic-Wide Research Program<br>[Consortium Proposal; Co-PI: J. Rooker], J. Rooker subcontract based on phase 1-3<br>€88,000 (~\$120,000) | 2011-2013 |
| 28. NOAA Sea Grant-Texas<br>Movement and population connectivity of fishes across estuarine seascapes<br>[PI: J. Rooker], \$215,291 (NA10OAR4170099)  | 2012-2014 |
| 29. State of Louisiana (LDWF/LSU)<br>Impact of Deepwater Horizon incident on benthic and pelagic fish communities<br>[PI: Cowan [LSU], PI/TAMUG lead J. Rooker], \$2,937,249; J. Rooker subcontract \$689,229                     | 2011-2014 |
| 30. NOAA-SEFSC<br>Natal origin of bluefin tuna<br>[Co-PI: J. Rooker] \$154,087; J. Rooker subcontract \$71,727 (NA11NMF4720107)   | 2011-2013 |

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| 31. Virginia Tech University<br>Application of otolith stable isotopes to assign population of origin of bluefin tuna<br>[Co-PI: J. Rooker] \$134,751; J. Rooker subcontract \$37,041 (NA10NMF454029) | 2011-2012 |
| 32. Large Pelagic Research Center, University of New Hampshire<br>Connectivity of Atlantic bluefin tuna populations (NA04NMF4550391)<br>[PI: J. Rooker] \$100,000                                     | 2010-2011 |
| 33. McDaniel Foundation<br>Ocean influences on the occurrence and abundance of billfishes in the GOM<br>[PI: J. Rooker] \$628,802   | 2010-2013 |
| 34. National Science Foundation<br>Acquisition of instruments to facilitate and enhance education and research on marine ecosystems<br>[PI: J. Rooker; Co-PIs: A. Quigg, P. Santschi] \$383,127       | 2010-2011 |
| 35. NOAA/GMFMC (Coral Reef Conservation Program)<br>Early life ecology of groupers on low and high diversity reefs in the northern GOM<br>[PI: J. Rooker], \$126,573 (NA09NMF4410036)                 | 2010-2011 |
| 36. NOAA (Cooperative Research Program)<br>Vertical and horizontal habitat use of yellowfin tuna in the northern Gulf of Mexico<br>[PI: J. Rooker] \$264,125 (NA08NMF4540402)                         | 2008-2010 |
| 37. NOAA/GMFMC (Coral Reef Conservation Program)<br>Recruitment of Reef Fishes to Low and High Diversity Reefs in the Northern GOM<br>[PI: J. Rooker] \$125,000                                       | 2009-2010 |
| 38. NOAA/GMFMC (Coral Reef Conservation Program)<br>Spatial and temporal variability in recruitment of reef fishes in the northern GOM<br>[PI: J. Rooker] \$125,000 (NA08NMF4410674)                  | 2008-2009 |
| 39. University of Hawaii (Pelagic Fisheries Research Program)<br>Nursery origin of yellowfin tuna ( <i>Thunnus albacares</i> ) in the Hawaiian Islands<br>[PI: J. Rooker] \$247,721 (NA17RF1230)      | 2007-2009 |
| 40. NOAA SEFSC<br>Aspects of the life history and stock structure of Atlantic bluefin tuna<br>[PI: J. Rooker] \$253,755 (NA07NMF4270272)  | 2007-2009 |
| 41. McDaniel Foundation<br>Ecology and stock structure of billfishes in the Gulf of Mexico<br>[PI: J. Rooker] \$730,693   | 2007-2010 |

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| 42. NOAA/GMFC (Coral Reef Conservation Program)<br>Recruitment and habitat use of reef fishes on low and high diversity reefs<br>[PI: J. Rooker] \$130,000                         | 2007-2008 |
| 43. University of New Hampshire (Large Pelagic Research Center)<br>Assessment of natal homing and mixing of Atlantic bluefin tuna<br>[PI: J. Rooker] \$214,443 (NA04NMF4550391)    | 2006-2009 |
| 44. NOAA Sea Grant (National & Texas)<br>Ecology and stock structure of billfishes in the Gulf of Mexico<br>[PI: J. Rooker] \$594,469 (NA05OAR4171142)                             | 2005-2008 |
| 45. McDaniel Foundation<br>Movement of blue marlin in the Gulf of Mexico<br>[PI: J. Rooker] \$95,000   | 2005-2007 |
| 46. NOAA/GMFC (Coral Reef Conservation Program)<br>Assessment of mid and outer shelf banks in the NW Gulf of Mexico as EFH<br>[PI: J. Rooker] \$87,500 (NA04NMF4410346)            | 2004-2005 |
| 47. Advanced Technology Program (State of Texas)<br>Survival and post-release success of hatchery-raised red drum<br>[PI: J. Rooker] \$134,764                                     | 2004-2006 |
| 48. NOAA Sea Grant (Texas)<br>Larval supply and post-settlement processes in recruitment of southern flounder<br>[PI: S. Holt; Co-PIs: J. Rooker, G. Stunz] \$202,045 (NA16RG1078) | 2004-2007 |
| 49. NOAA (Saltonstall Kennedy Program)<br>Characterization of Atlantic bluefin tuna stock structure using stable isotopes<br>[PI: J. Rooker] \$112,779 (NA03NMF4270091)            | 2003-2004 |
| 50. NOAA/GMFC (Coral Reef Conservation Program)<br>Characterization of a mid-shelf bank in the northwestern Gulf of Mexico as EFH.<br>[PI: J. Rooker] \$55,000                     | 2003-2004 |
| 51. McDaniel Foundation<br>Migration and movement of blue marlin in the Gulf of Mexico<br>[PI: J. Rooker] \$42,750   | 2003-2004 |
| 52. NOAA (Marine Fisheries Initiative)<br>Assessment of bathymetric highs as nursery grounds of red snapper<br>[PI: J. Rooker; Co-PI: A. Landry] \$211,469 (NA17FF2872)            | 2002-2004 |

53. NOAA Sea Grant (Texas) 2001-2004  
Origins of red drum stocks: assessing the contribution using biogeochemical fingerprints  
[PI: J. Rooker] \$246,126 (NA06OAR4170076)
54. NOAA (Saltonstall Kennedy Program) 2001-2002  
Use of otolith microconstituent analysis to characterize bluefin tuna stock structure  
[Co-PI: J. Rooker] \$175,200 (NA16FD2290)
55. NOAA (Saltonstall Kennedy Program) 2000-2001  
Assessment of natal origin and stock structure of Atlantic bluefin tuna  
[PI: J. Rooker] \$61,165 (NA07FD0176)
56. Aquarium at Moody Gardens 2000-2001  
Gulf of Mexico initiative: promoting conservation through education and research  
[PI: J. Rooker] \$64,958
57. NOAA (Saltonstall Kennedy Program) 1999-2000  
Test of the two stock hypotheses for Atlantic bluefin tuna  
[Co-PI: J. Rooker] \$88,374 (NA96FD0071)
58. NOAA (Marine Fisheries Initiative) 1999-2000  
Nursery habitats of red snapper in the northwest Gulf of Mexico  
[Co-PI: J. Rooker] \$100,000
59. 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), 2015-2019  
Regents Professor, Texas A&M University System, 2014  
Endowed Chair-Texas A&M University at Galveston, 2007  
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

## **Editorial Boards/Service**

Topic Editor-*Frontiers in Marine Science* (2020-2022)  
Editorial Board-*Ecology* (2010-2022)  
Editorial Board-*Ecological Monographs* (2010-2022)  
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 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

### *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 Committees as “Chair”

- ◆ Former graduate students in tenure-track or tenured faculty positions at universities (4)
- ◆ 100% of graduate students with peer-reviewed publication as *first author*  
 Note: paper in review of most recent graduate (C. Steffen) *in review* and not included
- ◆ All Ph.D. students *first author* on multiple peer-reviewed publications

<i>Student's Name</i>	<i>Dept.</i>	<i>(Degree, year)</i>	<i>Current Position</i>
Mathew Johnson	WFSC	(M.S., 2000)	Fishery Ecology Branch Chief, NMFS Galveston
Bert Geary	WFSC	(M.S., 2001)	Consultant
Robert David Wells	WFSC	(M.S., 2002)	Professor, Texas A&M University
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)	Resource Specialist, TPWD
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)	Research Scientist, Mote Marine Laboratory
Jeff Simms	WFSC	(M.S., 2009)	Staff Scientist, Entrix Inc., Houston, TX
Nathaniel Furey	WFSC	(M.S., 2012)	Assistant Professor, University of New Hampshire
Lynne Wetmore	WFSC	(M.S., 2014)	Ph.D. student, UC-Davis/SDSU
Landes Randall	WFSC	(M.S., 2014)	Program Coordinator, Texas A&M University

Michael Dance	WFSC	(Ph.D., 2015)	Assistant Professor, Louisiana State University
David Moulton	WFSC	(M.S., 2015)	Lecturer, Clemson University
Maelle Cornic	MARB	(Ph.D., 2017)	Research Scientist, Louisiana State University
Corinne Meinert	MARB	(M.S., 2018)	Mitigation Banking Program Manager, Houston, TX
Larissa Kitchens	WFSC	(Ph.D., 2017)	Self employed
Chris Steffen	MARB	(M.S., 2019)	Ecosystem Leader, TPWD Port Oconnor, TX
Jason Mostowj	MARB	(M.S., 2020)	Graduate Student, North Carolina State Phillip
Phillip Sanchez	MARB	(Ph.D., 2021)	Principal Investigator, Pez Mar Research, Panama
Liam Batchelder	MARB	(M.S., 2022)	Ph.D. Student, University of South Carolina
Shane Stephens	MARB	(M.S., 2023)	Research Associate, TAMU, GRIHMS
Emily Waddell	MARB	(Ph.D., 2023)	Senior Scientist, Marine Acoustics Inc.
Marissa Nuttall	MAR	(Ph.D., In progress)	
Jeffrey Pinsky	MARB	(M.S., In progress)	
Alexandra Yard	MARB	(Ph.D., In progress)	
Natalie Windels	MARB	(Ph.D., In progress)	

#### **Graduate Student 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)
Jennifer Wilbanks	MARM	(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)
Stephanie Durkacz	OCNG	(M.S., 2014)

Carolyn Weaver	MARB	(Ph.D., 2015)
Mithriel MacKay	MARB	(Ph.D., 2015)
Rachel Susen	MARM	(M.S., 2015)
Rujia Bi	MARB	(M.S., 2016)
Mari Smultea	MARB	(Ph.D., 2016)
Kristen Nelson	MARB	(M.S., 2017)
Kaylan Bradley-Dance	MARB	(M.S., 2017)
David Brankovits	MARB	(Ph.D., 2017)
Joshua Anklam	MARB	(M.S., 2017)
Veronica Quesnell	MARB	(M.S., 2017)
Trashon Boudreaux	MARB	(M.S., 2019)
Joshua Cullen	MARB	(Ph.D., 2019)
Chelsea Lopez	MARB	(M.S., 2020)
Rachel Glazner	EEBL	(Ph.D., 2020)
Tom TinHan	MARB	(Ph.D., 2020)
Travis Richards	MARB	(Ph.D., 2020)
Raven Walker	MARB	(Ph.D., 2020)
Carter Kacal	MARM	(M.S., 2020)
Raven Walker	MARB	(Ph.D., 2021)
Michaela Pawluk	WFSC	(Ph.D., 2021)
Claire Iseton	MARB	(M.S., 2021)
Li Chengxue	MARB	(Ph.D., 2022)
Pablo Dominguez Sanchez	MARB	(M.S., 2022)
Mariah Livernois	MARB	(Ph.D., 2022)
Jillian Gilmartin	MARB	(Ph.D., 2022)
Ana Ramos	OCGN	(M.S., 2023)
Roselyn Aguila	MARB	(Ph.D., In progress)
Brett Sweezey	MARB	(Ph.D., In progress)
Paco Fontaine	MARB	(Ph.D., In progress)
Aurora Gaona Hernandez	MARB	(Ph.D., In progress)
Olivia Thibault	MARB	(Ph.D., In progress)
Chelsea Lopez	MARB	(M.S., In progress)
Daniel Kemp	MARB	(Ph.D., In progress)
Emily Meese	MARB	(Ph.D., In progress)
Katie Miller	MARM	(M.S., In progress)
Madelyn Rupp	MARB	(Ph.D., In progress)
Daniel Martinez	MARB	(M.S., In progress)
Sarah Murray	MARB	(M.S., In progress)

### **Graduate Student Committees outside 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, Texas A&M-CC	(Ph.D., 2014)
Nina Pruzinsky, Nova Southeastern	(M.S., 2018)



Jill Thompson-Grim, Texas A&M-CC (M.S., 2021)  
Lauren Moe, University of Hawaii-Hilo (M.S., In progress)  
Isabel Tiller, Texas A&M-CC (M.S., In progress)

### **International Graduate Students Advised**

Alexandre Aschenbrenner, University of Pernambuco, Brazil (2015)  
Aline Franca, University of Pernambuco, Brazil (2018)  
Daniel Lippi, University of Pernambuco, Brazil (2018)

### **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: 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 (2015-2018) Current Position, Associate Research Scientist, Texas A&M University  
Michael Dance (2016-2018) Current Position, Assistant Professor, Louisiana State University  
Daniel Lippi (2022-2024) Current Position, Post-doctoral Research Scientist, University of Pernambuco, Brazil

### **Outside Service: Panels, Committees, Sessions Chaired**

Atlantic Wide Research Program for Bluefin Tuna (GBYP) funded by the International Commission for the Conservation of Atlantic Tuna (53 nation consortium)-Consortium member and task leader of otolith chemistry (with EU partner-H. Arrizabalaga) for GBYP Phases 1, 2, 3, 4, 5, 6, 7, 8, 9, 10: 2011-2020  
Advisory Committee to U.S. Section of the International Commission for the Conservation of Atlantic Tuna -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

## **TAMU/TAMUG Service**

### *College or University*

College (TAMUG) Endowed Positions Advisory Committee (EPAC), 2024-  
College (TAMUG) Promotion and Tenure Committee, 2014-16, 2023-present  
College (TAMUG) Academic Programs Task Force 2023  
College (TAMUG) College Promotion and Tenure Committee 2023-  
College (TAMUG) CAO Search Committee 2022  
College (TAMUG) Regents Professor Committee (Chair) 2022  
College (TAMUG) Distinguished Service Awards Committee 2018-2021  
College (TAMUG) Graduate Instructional Committee 2018-2020  
College (TAMUG) Synergy Committee (Chair) 2018-2019  
College (TAMUG) Council of Principal Investigators 2017-2019  
College (TAMUG) Research Space Management Committee: 2017-2018  
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)  
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*

MARB Search Committee for Marine Ecologist, 2024  
MARB Promotion and Tenure Committee (Chair or Member): 2010-2019, 2022  
MARB Faculty Mentor (D. Wells, H. Liu) 2019-2024  
MARB UG Affairs Committee (Member) 2020  
MARB Graduate Affairs Committee (Chair) 2020  
MARB Curriculum Committee (Member): 2014-2016  
MARB Search Committee for Marine Vertebrate Biology (Co-Chair) 2017  
MARB Academic Program Review (Member) 2016-2017  
MARB Department Head Evaluation (Chair) 2016  
MARB Strategic Planning Committee 2014  
MARB Search Committee for Quantitative Fisheries Biologist (Chair), 2011  
MARB Search Committee for Marine Biology Department Head, 2008  
MARB Wetlands Ecologist Search Committee (Chair): 2005  
MARB Curriculum Development Committee (Member): 2000-present  
MARB Book Purchasing Committee (Member): 1999-2001  
MARB Marine Mammalogist Search Committee (Chair): 2001-2002

MARB Department Head Search Committee (Member): 2002

MARB Mariculture Search Committee (Member): 1999

MARB Honors Program (Member): 2001-2004

MARB Graduate Program Curriculum Committee (Member): 2002-2006