

STEVEN X. CADRIN, PhD

Professor, University of Massachusetts, Dartmouth
School for Marine Science & Technology
836 South Rodney French Boulevard
New Bedford MA 02744 U.S.A.
1(508)910-6358, scadrin@umassd.edu

EDUCATION

Ph.D. 2003, University of Rhode Island, Kingston RI; Fisheries Science,

Dissertation Title: *Stock Structure of Yellowtail Flounder off the Northeastern United States.*

M.S. 1995, University of Massachusetts, Dartmouth MA; Marine Biology,

Thesis Title: *Discrimination of American Lobster Stocks in southern New England Waters.*

B.S. 1985, Long Island University, Southampton NY; Marine Science/Biology

PROFESSIONAL APPOINTMENTS

Professor, University of Massachusetts Dartmouth, Department of Fisheries Oceanography (2016 to present), New Bedford MA (www.umassd.edu/smast), Department Chair (2016 to 2021), Massachusetts Fisheries Institute Co-Director (2020 to present)

Associate Professor, University of Massachusetts Dartmouth, Department of Fisheries Oceanography (2010 to 2016), Fairhaven MA. Massachusetts Fisheries Institute Education Director, Marine Sciences Graduate Program Director (2014 to 2016)

Director, NOAA/UMass Cooperative Marine Education and Research Program (2005 to 2010) School for Marine Science and Technology, New Bedford MA

Research Fisheries Biologist (1996 to 2005), Population Dynamics Branch, Northeast Fisheries Science Center, Woods Hole MA

Marine Fisheries Biologist (1988 to 1996) Massachusetts Division of Marine Fisheries, Sandwich MA

Marine Resources Specialist (1987 to 1988) New York Division of Marine Resources, Stony Brook NY

Fisheries Observer (1985 to 1986) NOAA Fisheries, Northwest and Northeast Regions.

AFFILIATE APPOINTMENTS

- Associate Graduate Faculty, University of Southern Mississippi, 2018-present
- Adjunct Assistant Professor, University of Maryland, 2004-2007

AWARDS

2021 University of Massachusetts Dartmouth, Scholar of the Year for a substantial body of work and exemplary scholarly achievement in fisheries oceanography

2021 American Fisheries Society, Marine Fisheries Section Oscar E. Sette Award for Outstanding Marine Fishery Biologist for sustained excellence in marine fishery biology through research, teaching, and administration

2020 International Council for the Exploration of the Seas (ICES) Service Award for chairing the Workshop on North Sea Cod Stock Identification

2019 Award of Excellence from the American Fisheries Society's Southern New England Chapter for a distinguished record of accomplishment in mentorship, teaching, service to the chapter, and research in fisheries science.

- 2017 ICES Service Award for co-chairing the Strategic Initiative on Stock Assessment Methods
- 2015 ICES Service Award for chairing the ICES Training Program
- 2015 University of Massachusetts Dartmouth Sponsored Research Recognition
- 2010 Award of Excellence from the American Fisheries Society's Southern New England Chapter for outstanding contributions to the fields of fisheries research and education.
- 2009 Joint Ocean Commission Initiative, Marc J. Hershman Excellence in Mentoring Inaugural Award
- 2009 ICES Service Award for chairing the Workshop on Redfish Stock Structure.
- 2007 ICES Service Award for chairing the Stock Identification Methods Working Group.
- 2004 ICES Merit Award for best presentation on "The use of electronic tags to study fish movement: a case study with yellowtail flounder of New England"
- 2003 Department of Commerce Bronze Medal Award for scientific advances in restoring New England groundfish stocks.
- 1998 Department of Commerce Special Service Award for contributions to the Overfishing Definition Review Panel.
- 1995 Massachusetts Department of Fisheries, Wildlife, and Environmental Law Enforcement "Pride in Performance" Award for stock assessment research on lobster, menhaden and cod.

SOCIETY MEMBERSHIPS

- American Fisheries Society (AFS) 1986 (New York chapter)-present (southern New England Chapter).
- American Institute of Research Fishery Biologists (AIFRB) 2005-present; New England District Director 2006-2009; President 2011-2013; Early Career Award Committee Chair 2007-present

KEYNOTE PRESENTATIONS

1. Best practices for defining spatial boundaries and structure for stock assessment. Center for the Advancement of Population Assessment Methodology, Workshop on Stock Assessment Good Practices (Rome Italy, October 24-28 2022) <http://www.capamresearch.org/GPG-Workshop>
2. National Stock Assessment Seminar on "Optimal Spatial Boundaries and Strata for Stock Assessment... and confronting practical realities" (May 6 2021) <https://www.youtube.com/watch?v=2txgOnwtXBk>
3. Defining Spatial Structure. Center for the Advancement of Population Assessment Methodology, Workshop on Spatial Stock Assessment Models (La Jolla CA, October 1-5 2018) <http://www.capamresearch.org/Spatial-Stock-Assessment-Models-Workshop/>
4. Management Strategies for Mixed-Species, Recreational and Subsistence Fisheries. 30th Lowell Wakefield International Symposium on Tools and Strategies for Assessment and Management of Data-Limited Fish Stocks (Anchorage AK, May 12-15 2015) <https://seagrant.uaf.edu/events/2015/wakefield-data-limited/info.php>
5. Optimal Yield from Mixed-Stock Fisheries. University of Washington Bevan Symposium on Sustainable Fisheries (Seattle WA, April 24-25 2014).
6. Sustainable Fisheries. IDEAS Boston (Boston MA, October 30 2013)
7. Advanced Technology for Fishery Science: Experiences with Archival Tagging. American Fisheries Society Southern New England Chapter Science Meeting (Fall River MA, June 14 2006)

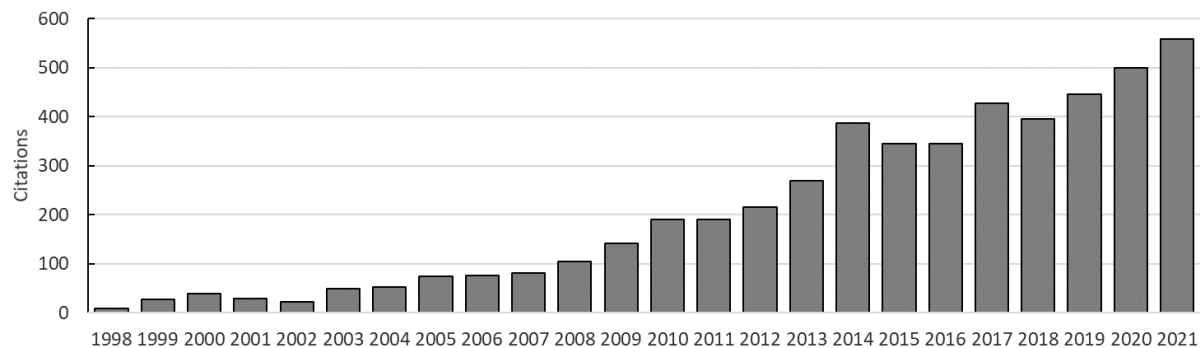
CONGRESSIONAL TESTIMONIES

- Open Letter to the 116th Congress from U.S. Marine Fishery Scientists on Marine Protected Areas - Title II of the Ocean-Based Climate Solutions Act (H.R.8632), drafted with Ray Hilborn, Yong Chen & Cate O'Keefe (<https://sustainablefisheries-uw.org/open-letter-to-congress-from-fishery-scientists/>)
- NOAA's Fishery Science: Is the Lack of Basic Science Costing Jobs? U.S. House of Representatives, Committee on Natural Resources, Subcommittee on Fisheries, Wildlife, Oceans, and Insular Affairs, oversight hearing (Washington DC, July 26 2011).
- Massachusetts Fishery Management Plans. U.S. Senate, Committee on Commerce, Science, and Transportation, Field Hearing (Boston MA, October 3 2011).

JOURNAL AND BOOK PUBLICATIONS

>120 peer-reviewed publications, >200 technical reports, >5,400 citations

h-index=37, 88 publications with >=10 citations (scholar.google.com)



1. Cadrin SX. 2022. Best practices for defining spatial boundaries and spatial structure for stock assessment. Fisheries Research (in press).
2. Karp M, JS Link, M Grezlik, S Cadrin, G Fay, P Lynch, H Townsend, R Methot, JT Thorson, M Masi, SI Large, M Cieri, MA Haltuch, C Barceló, V Trijoulet, SR Sagarese, MD Damiano, AM Schueller, JK Craig, V Christensen, A Buchheister, W Klajbor, D Howell, S Gaichas, M Dickey-Collas, É Plagányi, D Chagaris, JB Haugen, GD Adams, K Blackhart, M T. Tomczak, BÞ Elvarsson, B Muffley, D Reid, R Voss, A Rindorf, S Murray, J McNamee, IC Kaplan & J Cummings. 2022. Increasing the uptake of multispecies models in fisheries management. ICES Journals of Marine Science (in press).
3. Hansell A, S Becker, SX Cadrin, M Lauretta, J Walter & L Kerr. 2022. Spatio-temporal dynamics of bluefin tuna (*Thunnus thynnus*) in US waters of the northwest Atlantic. Fisheries Research 255: 106460.
4. Haugen JB, GB Skomal, TH Curtis & SX Cadrin. 2022. Interdisciplinary stock identification of North Atlantic porbeagle (*Lamna nasus*). J. Northw. Atl. Fish. Sci. 53: 1–18.
5. Shackell NL, AC Seitz, SX Cadrin, CE den Heyer, A Le Bris, CH McGuire, D Robert & ME Kersula. 2022. Spatial ecology and implications for management of a recovering species in an era of climate change: a review of Atlantic halibut (*Hippoglossus hippoglossus* L.) across the Northwest Atlantic. Reviews in Fisheries Science and Aquaculture 3: 281–305.
6. Dean MJ, WS Hoffman, NC Buchan, SX Cadrin & JH Grabowski. 2021. The influence of trawl efficiency assumptions on survey-based population metrics. ICES Journal of Marine 78: 2858–2874.

7. Goethel DR & SX Cadrin. 2021. Reviving the spatial fishery models conceived by Sidney Holt and Ray Beverton. *ICES Journal of Marine Science* 78: 2298–2315.
8. Lucey SM, KY Aydin, SK Gaichas, SX Cadrin, G Fay, MJ Fogarty & A Punt. 2021. Evaluating fishery management strategies using an ecosystem model as an operating model. *Fisheries Research* 234: 105780.
9. Lowman B, CE O’Keefe & SX Cadrin. 2021. Predictive models of yellowtail flounder bycatch in the U.S. sea scallop fishery on Georges Bank. *J. Northwest Atl. Fishery Science* 52: 1–18.
10. O’Keefe CE, SX Cadrin, G Glemarec & Y Rouxel. 2021. Efficacy of Time-Area Fishing Restrictions and Gear-Switching as Solutions for Reducing Seabird Bycatch in Gillnet Fisheries. *Reviews in Fisheries Science & Aquaculture* <https://doi.org/10.1080/23308249.2021.1988051>.
11. Puncher GN, Y Wang, R Martin, G DeCelles, SX Cadrin, D Zemeckis, S Rowe, NM Leblanc, GJ Parent & SA Pavey. 2021. Transborder gene flow between Canada and the U.S.A. and fine-scale population structure of Atlantic cod in the broader Gulf of Maine Region. *Transactions of the American Fisheries Society* 150: 560-577.
12. Bank CM, K Oliveira, SJ Sutherland, MP Armstrong & SX Cadrin. 2020. Age validation of monkfish (*Lophius americanus*). *Fishery Bulletin* 118: 8-20.
13. Berg PR, PE Jorde, KA Glover, G Dahle, JB Taggart, K Korsbrekke, GE Dingsør, JE Skjæraasen, PJ Wright, SX Cadrin, H Knutsen & J-I Westgaard. 2020. Genetic structuring in Atlantic haddock contrasts with current management regimes. *ICES Journal of Marine Science* 78: 1–13 **[selected as Editor’s Choice article]**
14. Cadrin SX. 2020. Defining spatial structure for fishery stock assessment. *Fisheries Research* 221: 105397.
15. Cadrin SX. 2020. Fisheries Conservation and Management. pp. 109-116 In The Handbook of Natural Resources, Second Edition, Volume 5 Coastal and Marine Ecosystems. Y Wang Ed. Taylor and Francis.
16. Cadrin SX, MN Maunder & AE, Punt. 2020. Spatial Structure: Theory, estimation and application in stock assessment models. *Fisheries Research* 229: 105608.
17. Dean MJ, WS Hoffman, NC Buchan, SX Cadrin & JH Grabowski. 2020. Deconstructing size selectivity to evaluate the influence of fishery management. *Fisheries Research* 234: 105782.
18. Hansell AE, GR DeCelles, ME Kersula & SX Cadrin. 2020. Incorporating harvesters’ knowledge into an index of abundance for Atlantic halibut (*Hippoglossus hippoglossus*) in the northwest Atlantic. *Transactions of the American Fisheries Society* 149: 741-752.
19. Hansell AC, TH Curtis, J Carlson, E Cortés, G Fay & SX Cadrin. 2020. Stock Assessment of the Lemon Shark (*Negaprion brevirostris*) off the Southeast United States. *North American Journal of Fisheries Management* 41: 35-48.
20. Kerr LA, Z Whitener, SX Cadrin, MR Morse, DH Secor, W Golet. 2020. Mixed stock origin of Atlantic bluefin tuna in the U.S. rod and reel fishery (Gulf of Maine) and implications for fisheries management. *Fisheries Research* <https://doi.org/10.1016/j.fishres.2019.105461>.

21. Morse MR, LA Kerr, B Galuardi & SX Cadrin. 2020. Performance of stock assessments for mixed-population fisheries: The illustrative case of Atlantic bluefin tuna. *ICES Journal of Marine Science* 77: 2043–2055.
22. Cadrin SX, DR Goethel, MR Morse, G Fay & LA Kerr. 2019. "So, where do you come from?" the impact of assumed spatial population structure on estimates of recruitment. *Fisheries Research* 217: 156-168.
23. Clucas, GV, LA Kerr, SX Cadrin, DR Zemeckis, GD Sherwood, D Goethel, Z Whitener & AI Kovach. 2019. Adaptive genetic variation underlies biocomplexity of Atlantic Cod in the Gulf of Maine and Georges Bank. *PLoS ONE* 14(5): e0216992.
24. Kerr LA, JP Kritzer & SX. Cadrin. 2019. Strengths and limitations of Before-After-Control-Impact analysis for testing the effects of marine protected areas on managed populations. *ICES Journal of Marine Science* 76: 1039–1051. **[listed in 10 most read articles:**
https://academic.oup.com/icesjms/pages/high_impact_articles**]**
25. Liu, C, C Bank, M Kersula, GW Cowles, DR Zemeckis, SX Cadrin, C McGuire. 2019. Movements and habitat occupancy based on geolocation of Atlantic halibut in the Gulf of Maine. *ICES Journal of Marine Science* 76: 2020–2032 **[selected as Editor's Choice article]**
26. Liu C, G Cowles, D Zemeckis, G Fay, A Le Bris, SX Cadrin. 2019. Hardware-accelerated particle filter for the geolocation of demersal fishes. *Fisheries Research* 213: 160-171.
27. Zemeckis DR, MJ Dean, AI DeAngelis, SM Van Parijs, WS Hoffman, M Baumgartner, L Hatch, SX Cadrin & CH McGuire. 2019. Identifying the distribution of Atlantic cod spawning using multiple fixed and glider-mounted acoustic technologies. *ICES J Mar Sci* 76: 1610–1625.
28. Friedman K, S Gabriel, H Abdul Wahab, O Abe, A Adnan Nuruddin, A Ali, R Bidin Raja Hassan, SX Cadrin, A Cornish, AT De Meulenaer, D Dharmadi, A Fahmi, L Huu Tuan Anh, D Kachelriess, L Kissol Jr., T Krajangdara, A Rahman Wahab, W Tanoue, C Tharith, F Torres Jr., W Wanchana, S Win, K Yokawa, & Y Ye. 2018. Examining the impact of CITES listing of sharks and rays in Southeast Asian fisheries. *Fish & Fisheries* 19: 662-676.
29. Hansell AC, ST Kessel, LR Brewster, SX Cadrin, SH Gruber, GB Skomal & TL Guttridge. 2018. Local indicators of abundance and demographics for the coastal shark assemblage off Bimini, Bahamas. *Fisheries Research* 197: 34-44.
30. DeCelles G, D Martins, DR Zemeckis & SX Cadrin. 2017. Using fishermen's ecological knowledge to map Atlantic cod spawning grounds on Georges Bank. *ICES JMS* 74: 1587–1601.
31. Kerr LA, NT Hintzen, SX Cadrin, L Worsøe Clausen, M Dickey-Collas, DR Goethel, EMC Hatfield, J Kritzer & RDM Nash. 2017. Lessons learned from practical approaches to reconciling mismatches between biological population structure and stock units of marine fish. *ICES JMS* 74: 1708–1722.
32. Liu C, G Cowles, DR Zemeckis, SX Cadrin & MJ Dean. 2017. Validation of a hidden Markov model for the geolocation of Atlantic cod. *Can. J. Fish. Aquat. Sci.* 74: 1862–1877.
33. Stokesbury KDE, SX Cadrin, N Calabrese, E Keiley, T Lowery, BJ Rothschild & GR DeCelles. 2017. Towards an improved system for sampling New England groundfish using video technology. *Fisheries* 42: 427-434.

34. Zemeckis DR, C Liu, GW Cowles, MJ Dean, WS Hoffman, D Martins & SX Cadrin. 2017. Seasonal movements and connectivity of an Atlantic cod (*Gadus morhua*) spawning component in the western Gulf of Maine. ICES JMS 74: 1780–1796.
35. Begg GA & SX Cadrin. 2016. Stock identification. pp 252-278 in T Jakobsen, MJ Fogarty, BA Megrey & E Moksness Eds. Fish Reproductive Biology: Implications for Assessment and Management, 2nd Ed. Wiley Blackwell Publishing.
36. Cadrin SX. 2016. Management strategies for mixed-species commercial, recreational, and subsistence fisheries. In: Quinn II TJ, JL Armstrong, M Baker, JD Heifetz & D Witherell, Eds. Assessing and Managing Data-Limited Fish Stocks. Alaska Sea Grant AK-SG-16-01
<http://doi.org/10.4027/amdlfs.2016.01>.
37. Cadrin SX, GR DeCelles & D Reid. 2016. Informing fishery assessment and management with field observations of selectivity and efficiency. Fisheries Research 184: 9–17.
38. Goethel D, LA Kerr & SX Cadrin. 2016. Incorporating spatial population structure into the assessment-management interface of marine resources. In: CTT Edwards & DJ Dankel, Eds. Management Science in Fisheries: an introduction to Simulation-Based Methods. Taylor & Francis pp 319-347.
39. Kerr LA, SX Cadrin, DH Secor & NG Taylor. 2016. Modeling the implications of stock mixing and life history uncertainty of Atlantic bluefin tuna. Can. J. Fish. Aquat. Sci. 74: 1990–2004.
40. Lowerre-Barbieri S, G DeCelles, P Pepin, IA Catalan, B Muhling, B Erisman, SX Cadrin, J Alós, A Ospina-Alvarez, MM Stachura, M Tringali, SW Burnsed & CB Paris. 2016. Reproductive resilience: a paradigm shift in understanding spawner-recruit systems in exploited marine fish. Fish and Fisheries 18: 285-312. **[Recognized as one of the Journal's top cited articles in recent publication history]**
41. Saha A, T Johansen, R Hedeholm, EE Nielsen, J-I Westgaard, L Hauser, B Planque, SX Cadrin & J Boye. 2016. Geographic extent of introgression in *Sebastes mentella* and its effect on genetic population structure. Evolutionary Applications 2016: 1–14.
42. Westgaard J-I, A Saha, MP Kent, HH Hansen, H Knutsen, L Hauser, S Cadrin, OT Albert & T Johansen. 2016. Genetic population structure in Greenland halibut (*Reinhardtius hippoglossoides*) and its relevance to fishery management. Can. J. Fish Aquat. Sci. 74: 475-485.
43. Cadrin SX & M Dickey-Collas. 2015. Stock assessment methods for sustainable fisheries. ICES JMS 72: 1-6.
44. DeCelles, G, G Cowles, C Liu & S Cadrin. 2015. Modeled transport of winter flounder larvae in coastal waters of the Gulf of Maine. Fisheries Oceanography 24: 430-444.
45. Deroba JJ, DS Butterworth, RD Methot Jr, J De Oliveira, C Fernandez, A Nielsen, S Cadrin, M Dickey-Collas, CM Legault, J Ianelli, JL Valero, C Needle, JM O'Malley, Y-J Chang, GG Thompson, C Canales, DP Swain, DCM Miller, NT Hintzen, M Bertignac, L Ibaibarriaga, A Silva, A Murta, L Kell, CL de Moor, A Parma, C Dichmont, V Restrepo, Y Ye, E Jardim, J Blaylock & M Mood. 2015. Simulation testing the robustness of stock assessment models to error: some results from the ICES Strategic Initiative on Stock Assessment Methods. ICES JMS 72: 19-30.

46. Eayrs S, SX Cadrin & CW Glass. 2015. Managing change in fisheries: a key to fishery dependent data collection? ICES JMS 72: 1152-1158.
47. Goethel DR, CM Legault & SX Cadrin. 2015. Demonstration of a spatially-explicit, tag-integrated stock assessment model with application to three interconnected stocks of yellowtail flounder off of New England. ICES JMS 72: 164-177.
48. Goethel DR, CM Legault & SX Cadrin. 2015. Testing the performance of a spatially explicit tag-integrated stock assessment model of yellowtail flounder (*Limanda ferruginea*) through simulation analysis. Can J Fish Aquat Sci 72: 582-601.
49. Hall V, C Liu & SX Cadrin. 2015. The impact of the second seasonal spawn of the northern bay scallop, *Argopecten irradians irradians*. Marine and Coastal Fisheries 7: 419-433.
50. Smith LA, JS Link, SX Cadrin, DL Palka. 2015. Consumption by Marine Mammals on the Northeast US Continental Shelf. Ecological Applications 25: 373-389.
51. Cadrin SX. 2014. Do Not Believe Your Model Results. In A Lynch, N Leonard & W Taylor, Eds. Future of Fisheries: Perspectives for the Next Generation of Professionals, American Fisheries Society Press.
52. Cadrin SX. 2014. Fisheries Conservation and Management. In Encyclopedia of Natural Resources Volume II – Water and Air, Y Wang Ed. Taylor and Francis.
53. Cadrin SX. 2014. Morphometric Landmarks. Pp 109-128 in Stock Identification Methods, 2nd Ed. Elsevier Academic Press.
54. Cadrin SX, W Clark & D Ricard. 2014. Population dynamics and management of flatfish. Pp 461-490 in R Gibson, ed. Flatfishes: Biology and Exploitation 2nd edition Blackwell Science.
55. Cadrin SX, LA Kerr & S Mariani. 2014. Stock Identification Methods: applications in fisheries science, 2nd Ed. Elsevier Academic Press. 566p.
56. Cadrin SX, LA Kerr & S Mariani. 2014. Stock identification methods, an overview. Pp 1-6 in Stock Identification Methods, 2nd Ed. Elsevier Academic Press.
57. Cadrin SX, LA Kerr & S Mariani. 2014. Interdisciplinary evaluation of spatial population structure for definition of fishery management units. Pp 535-554 in Stock Identification Methods, 2nd Ed. Elsevier Academic Press.
58. Curtis TH, SI Zeeman, EL Summers, SX Cadrin & GB Skomal. 2014. Eyes in the sky: Linking satellite oceanography and biotelemetry to explore habitat selection by basking sharks. Animal Biotelemetry 2:12.
59. Hyun S-Y, SX Cadrin & S Roman. 2014. Fixed and mixed effect models for fishery data on depth distribution of Georges Bank yellowtail flounder. Fisheries Research 157: 180-186.
60. Kerr, LA, SX Cadrin & AI Kovach. 2014. Consequences of a mismatch between biological and management units on our perception of Atlantic cod off New England. ICES JMS 71: 1366-1381.
61. Midway S, F Scharf & SX Cadrin. 2014. Southern flounder *Paralichthys lethostigma* stock structure inferred from otolith shape analysis. Fishery Bulletin 112:326-338.

62. Nichols OC, E Eldredge & SX Cadrin. 2014. Gray seal behavior in a fish weir observed using Dual-frequency Identification Sonar (DIDSON). *Marine Technology Society Journal* Volume 48(4): 72-78.
63. Rochet M-J, T Catchpole & S Cadrin. 2014. Bycatch and discards: from improved knowledge to mitigation programmes. *ICES Journal of Marine Science* 71: 1216-1218.
64. Zemeckis DR, MJ Dean & SX Cadrin. 2014. Spawning dynamics and associated management implications for Atlantic cod (*Gadus morhua*). *N Am J Fishery Management* 34:424-442.
65. Zemeckis DR, WS Hoffman, M Dean, MP Armstrong & SX Cadrin. 2014. Spawning site fidelity by Atlantic cod (*Gadus morhua*) in the Gulf of Maine: implications for population structure and rebuilding. *ICES J. Mar Sci* 71: 1356-1365.
66. Zemeckis DR, D Martins, LA Kerr & S X Cadrin. 2014. Stock identification of Atlantic cod (*Gadus morhua*) in US waters: an interdisciplinary approach. *ICES J. Mar. Sci.* 71: 1490-1506.
67. Bethoney ND, KDE Stokesbury & SX Cadrin. 2013. Environmental links to alosine at-sea distribution and bycatch in the northwest Atlantic mid-water trawl fishery. *ICES J. Marine Science* 71: 1246-1255.
68. Hogan F, S Cadrin & A Haygood. 2013. Fishery management complexes: an impediment or aid to sustainable harvest? A Discussion Based on the Northeast Skate Complex. *N. American J. Fishery Management* 33: 406-421.
69. McBride RS, TE Vidal & SX Cadrin. 2013. Partial rebound in size and age at maturity by the northern (mid-Atlantic) stock of tilefish, *Lopholatilus chamaeleonticeps*, following a period of overfishing. *Fishery Bulletin* 111:161-174.
70. Miller AS, SX Cadrin & BG Stevens. 2013. Effects of shell disease on egg quality of the American lobster. *J. Crustacean Biology* 33: 461-469.
71. O'Keefe CE, SX Cadrin & KDe Stokesbury. 2013. Evaluating effectiveness of time/area closures, quotas/caps and fleet communications to reduce fisheries bycatch. *ICES J Mar Sci* 71: 1286-1297.
72. Radlinski MK, MA Sundermeyer, JJ Bisagni & SX Cadrin. 2013. Spatial and temporal distribution of Atlantic mackerel, *Scomber scombrus*, along the northeast coast of the United States, 1985-1999. *ICES J Mar Sci* 70: 1151-1161.
73. Wood AD & SX Cadrin. 2013. Mortality and movement of yellowtail flounder, *Limanda ferruginea*, tagged off New England. *Fishery Bulletin* 111:279-287.
74. Zhang Y & SX Cadrin. 2013. Estimating effective sample size for monitoring length distributions: a comparative study of Georges Bank groundfish. *Trans. AFS.* 142: 59-67.
75. Barkley, AS & SX Cadrin. 2012. Discard mortality estimation of yellowtail flounder using Reflex Action Mortality Predictors. *Trans. AFS.* 141: 638-644.
76. He P, C Glass, J Annala, S Cadrin, K La Valley & M Pol. 2012. Biology, harvesting, management and conservation of hakes. *Fisheries Research* 114: 1.
77. O'Boyle R, S Cadrin, D Georgianna, J Kritzer, M Sissenwine, M Fogarty, C Kellogg & P Fiorelli. 2012. Ecosystem – Based Fishery Management for the New England Fishery Management Council. In Ecosystems 2010: Global Progress on Ecosystem-based Fisheries Management, 26th Lowell Wakefield Fisheries Symposium. Alaska Sea Grant College Program (AK-SG-11-01).

78. Wiebe PH, B Rudels, SX Cadrin, KF Drinkwater, & A Lavin. 2012. Introduction to variability of the North Atlantic and its marine ecosystems. ICES J. Mar. Sci.: 69: 697–702.
79. Cadrin SX, S Mariani, C Pampoulie, L Kerr, J Reinert & C Stransky. 2011. Counter-comment on: Cadrin et al. (2010) “Population structure of beaked redfish, *Sebastes mentella*: evidence of divergence associated with different habitats.” ICES Journal of Marine Science 68: 2016–2018.
80. DeCelles GR & SX Cadrin. 2011. An interdisciplinary assessment of winter flounder (*Pseudopleuronectes americanus*) stock structure. J. Northwest Atl. Fishery Science 43: 103–120.
81. Duffy WJ, RS McBride, SX Cadrin & K Oliveira. 2011. Is Cating’s method of transverse groove counts to annuli applicable for all stocks of American shad? Trans. AFS 140:1023–1034.
82. Goethel D, TJ Quinn II & SX Cadrin. 2011. Incorporating spatial structure in stock assessment: movement modeling in marine fish population dynamics. Reviews in Fisheries Science 19:119–136.
[among the top 10 most cited papers in the Journal, which ranks third in CiteScore for the field of Aquatic Science and third in Journal Citation Reports Fisheries category]
83. Roman S, SX Cadrin & N Jacobson. 2011. Examination of data collected by a fishermen self sampling program. North American Journal of Fishery Management 31:165–175.
84. Cadrin SX. 2010. Adaptive Governance: the dynamics of Atlantic fisheries management (book review). Human Ecology 38: 317–318.
85. Cadrin SX. 2010. Interdisciplinary analysis of yellowtail flounder stock structure off New England. Reviews in Fisheries Science 18: 281–299.
86. Cadrin SX. 2010. Stock identification of marine populations. pp 219-231 In AMT Elewa, ed. Morphometrics for Non-Morphometricians. Springer-Verlag.
87. Cadrin SX, M Bernreuther, AK Daníelsdóttir, E Hjörleifsson, T Johansen, L Kerr, K Kristinsson, S Mariani, K Nedreaas, C Pampoulie, B Planque, J Reinert, F Saborido-Rey, T Sigurdsson & C Stransky. 2010. Population Structure of beaked redfish, *Sebastes mentella*: evidence of divergence associated with different habitats. ICES Journal of Marine Science 67: 1617–1630.
88. DeCelles GR & SX Cadrin. 2010. Movement patterns of winter flounder in the southern Gulf of Maine: observations using passive acoustic telemetry. Fishery Bulletin 108: 408–419.
89. Kerr LA, SX Cadrin & DH Secor. 2010. Simulation modeling as a tool for examining the consequences of spatial structure and connectivity to local and regional population dynamics. ICES J. Marine Science 67: 1631-1639.
90. Kerr LA, SX Cadrin & DH Secor. 2010. The role of spatial dynamics in the stability, resilience, and productivity of an estuarine fish population. Ecological Applications 20: 497-507.
91. Runge JA, A Kovach, J Churchill, L Kerr, JR Morrison, R Beardsley, D Berlinsky, C Chen, S Cadrin, C Davis, K Ford, JH Grabowski, WH Howell, R Ji, R Jones, A Pershing, N Record, A Thomas, G Sherwood, S Tallack & D Townsend. 2010. Understanding climate impacts on recruitment and spatial dynamics of Atlantic cod in the Gulf of Maine: integration of observations and modeling. Progress in Oceanography 87: 251–263.

92. Begg GA & SX Cadrin. 2009. Stock identification. pp 230-253 in T Jakobsen MJ Fogarty, BA Megrey & E Moksness, Eds. Reproductive Biology of Fishes. Blackwell Publishing.
93. Cadrin SX & DH Secor. 2009. Accounting for spatial population structure in stock assessment: past, present and future. pp. 405-426 in BJ Rothschild & R Beamish, Eds. The Future of Fishery Science in North America. Springer Verlag.
94. Dankel DJ, N Jacobson, D Georgianna & SX Cadrin. 2009. Can we increase haddock yield within the constraints of the Magnuson-Stevens Act? Fisheries Research 100: 240–247.
95. Secor DH, LA Kerr & SX Cadrin. 2009. Connectivity effects on productivity, stability, and response diversity in an Atlantic herring metapopulation. ICES Journal of Marine Science 66: 1726–1732.
96. Cadrin SX & M Pastoors. 2008. Precautionary harvest policies and the uncertainty paradox. Fisheries Research 94: 367-372.
97. Brodziak J, SX Cadrin, CM Legault & SA Murawski. 2008. Goals and strategies for rebuilding New England groundfish stocks. Fisheries Research 94: 355–366.
98. He P, S Cadrin, K La Valley, M Pol, L Skrobe, P Winger, Eds. 2008. Haddock Conservation, Harvesting and Management; proceedings of Haddock 2007: International Symposium on Haddock Conservation, Harvesting and Management, 25-26 October 2007, Portsmouth NH USA Fisheries Research 94(2):119-206.
99. Reid DG, J Annala, S Rosen, M Pol, SX Cadrin & SJ Walsh. 2007. Current status of mobile and static sampling gears used in resource surveys. ICES Journal of Marine Science 64: 1607-1609.
100. Haas-Castro RE, TF Sheehan, SX Cadrin & JG Trial. 2006. Scale pattern analysis discriminates Atlantic salmon by river reach rearing origin. North American Journal of Fisheries Management 26:289–300.
101. Cadrin SX. 2005. Landmark morphometrics. pp 153-172 in SX Cadrin, KD Friedland & J Waldman, Eds. Stock Identification Methods. Elsevier Academic Press.
102. Cadrin SX & KD Friedland. 2005. Morphometric outlines. pp 173-184 in SX Cadrin et al. Eds. Stock Identification Methods. Elsevier Academic Press.
103. Cadrin SX, KD Friedland & J Waldman, Eds. 2005. Stock Identification Methods: applications in fishery science. Elsevier Academic Press. 719 pp.
104. Cadrin SX & VM Silva. 2005. Morphometric variation of yellowtail flounder. ICES Journal of Marine Science 62: 683-694.
105. Friedland KD & SX Cadrin. 2005. Analyses of calcified structures: texture and spacing. pp 185-196 in SX Cadrin et al. Eds. Stock Identification Methods. Elsevier Academic Press.
106. Rice J, SX Cadrin & W Clark. 2005. Population dynamics and management of flatfish. pp. 319-346 in R Gibson, ed. Flatfishes: Biology and Exploitation. Blackwell Science.
107. Sheehan TF, JF Kocik, SX Cadrin, CM Legault, E Atkinson & D Bengtson. 2005. Marine growth and morphometrics for three populations of Atlantic salmon from Eastern Maine, USA. Transactions of the American Fisheries Society 134: 775–788.

108. Cadrin SX, JA Boutillier & JS Idoine. 2004. A hierarchical approach to determining reference points for Pandalid shrimp. *Canadian Journal of Fisheries and Aquatic Sciences* 61: 1373-1391.
109. Stone HH, S Gavaris, CM Legault, JD Neilson & SX Cadrin. 2004. Collapse and recovery of the yellowtail flounder (*Limanda ferruginea*) fishery on Georges Bank. *Journal of Sea Research* 51:261-270.
110. Hart D & SX Cadrin. 2004. Yellowtail flounder (*Limanda ferruginea*) off the northeastern United States, implications of movement among stocks. pp 230-244 in HR Akçakaya et al., Eds. Species Conservation and Management: Case Studies. Oxford University Press.
111. Cadrin S & E Hatfield. 2002. Relative biomass and production of longfin inshore squid. *Bulletin of Marine Science* 71: 1115-1116.
112. Hatfield EMC & SX Cadrin. 2002. Geographic and temporal patterns in *Loligo pealei* size and maturity off the Northeastern United States. *Fishery Bulletin* 100: 200-213.
113. Jacobson LD & SX Cadrin. 2002. Rebuilding isopleths and constant F rebuilding plans for overfished stocks. *Fishery Bulletin* 100: 519-546.
114. Jacobson LD, SX Cadrin & JR Weinberg. 2002. Tools for estimating surplus production and F_{MSY} in any stock assessment model. *North American Journal of Fisheries Management* 22: 326-338.
115. Murawski SA, RW Brown, SX Cadrin, RK Mayo, L O'Brien, WJ Overholtz & KA Sosebee. 2002. An introduction to the history of fishes in the Gulf of Maine. pp 1-7 in B Collette & G Klein-MacPhee, Eds. Bigelow and Schroeder's Fishes of the Gulf of Maine. Smithsonian Institution Press.
116. Armstrong MP & SX Cadrin. 2001. Morphometric variation among spawning groups of the Gulf of Maine-Georges Bank herring complex. pp. 575-590 In: F Funk et al. Eds. Herring: Expectations for the New Millennium. Univ. Alaska Sea Grant, AK-SG-01-04.
117. Cadrin SX. 2000. Advances in morphometric analysis of fish stock structure. *Reviews in Fish Biology and Fisheries* 10: 91-112.
118. Cadrin S. 2000. Assessment of *Pandalus borealis* stocks in the Northwest Atlantic: Challenges with catch and catchability. *Journal of Shellfish Research* 19: 554-555.
119. Cadrin SX. 2000. Evaluating two assessment methods for Gulf of Maine northern shrimp based on simulations. *Journal of Northwest Atlantic Fisheries Science* 27: 119-132.
120. Clark SH, SX Cadrin, D Schick, P Diodati, M Armstrong & D McCarron. 2000. The Gulf of Maine northern shrimp fishery - a review of the record. *Journal of Northwest Atlantic Fisheries Science* 27: 193-226.
121. Cadrin SX, SH Clark, D Schick, D McCarron & MP Armstrong. 1999. Application of catch-survey models to the northern shrimp fishery in the Gulf of Maine. *North American Journal of Fisheries Management*. 19: 551-568.
122. Cadrin SX & KD Friedland. 1999. The utility of image processing techniques for morphometric analysis and stock identification. *Fisheries Research* 43: 129-139.
123. Cadrin SX & DS Vaughan. 1997. Retrospective analysis of virtual population estimates for the Atlantic menhaden stock assessment. *Fisheries Bulletin*. 95(3): 445-455.

124. Cadrin SX. 1995. Discrimination of American lobster stocks off southern New England based on secondary sex character allometry. *Canadian Journal of Fisheries and Aquatic Science* 52(12): 2712-2723.
125. Cadrin SX, AB Howe, SJ Correia & TP Currier. 1995. Evaluating the effects of two mobile gear fishing closures on finfish abundance. *North American Journal of Fisheries Management* 15: 300-315.
126. Estrella BT & SX Cadrin. 1995. Fecundity of the American lobster (*Homarus americanus*) in Massachusetts coastal waters. *ICES, Marine Science Symposia* 199: 61-72.

TECHNICAL REPORTS

1. Cadrin SX, C Carrano, & T Rouyer. 2022. Data and initial model set-up for the 2022 ASAP stock assessment of the eastern Atlantic and Mediterranean bluefin tuna. ICCAT SCRS/2022/070.
2. Carrano C, J-J Maguire, L Kerr, J Walter, M Lauretta, T Rouyer & SX Cadrin 2022 ASAP Stock assessment of the Eastern Atlantic and Mediterranean Bluefin Tuna. ICCAT SCRS/2022/125.
3. Cadrin SX, DR Zemeckis, GR DeCelles, D Clark, MJ Dean, J Cournane & D Goethel. 2022. Chapter 7. Applied markers. In RS McBride & RK Smedbol (Eds) An Interdisciplinary Review of Atlantic Cod (*Gadus morhua*) Stock Structure in the Western North Atlantic Ocean. NOAA Technical Memorandum NMFS-NE (in press).
4. Cournane J, S Cadrin, I Andrushchenko & Y Wang. 2022. Chapter 2. Fishery management (US/Transboundary) context. In RS McBride & RK Smedbol (Eds) An Interdisciplinary Review of Atlantic Cod (*Gadus morhua*) Stock Structure in the Western North Atlantic Ocean. NOAA Technical Memorandum NMFS-NE (in press).
5. Kerr L, G DeCelles, G Puncher, S Cadrin & R McBride. 2022. Chapter 6. Natural markers. In RS McBride & RK Smedbol (Eds) An Interdisciplinary Review of Atlantic Cod (*Gadus morhua*) Stock Structure in the Western North Atlantic Ocean. NOAA Technical Memorandum NMFS-NE (in press).
6. Maguire J-J, S Cadrin & C Carrano. 2022. A review of SCRS comments on reporting of catch for Eastern Atlantic and Mediterranean bluefin tuna. ICCAT SCRS/2022/174.
7. McBride R, T Ames, I Andrushchenko, SX Cadrin, JM Cournane, M Dean, GR DeCelles, LA Kerr, AI Kovach, N Overgaard Therkildsen, G Puncher, RK Smedbol, Y Wang & DR Zemeckis. 2022. Chapter 5. Life history. In RS McBride & RK Smedbol (Eds) An Interdisciplinary Review of Atlantic Cod (*Gadus morhua*) Stock Structure in the Western North Atlantic Ocean. NOAA Technical Memorandum NMFS-NE (in press).
8. McBride R, G DeCelles, S Cadrin, L Kerr, T Ames, D Zemeckis & I Andrushchenko. 2022. Chapter 9. Synthesis. In RS McBride & RK Smedbol (Eds) An Interdisciplinary Review of Atlantic Cod (*Gadus morhua*) Stock Structure in the Western North Atlantic Ocean. NOAA Technical Memorandum NMFS-NE (in press).
9. O'Brien C, CM Albertsen, S Cadrin, C Denechaud, H Dobby, J Hemmer-Hansen, M Lundy, T Miethe, D Murray, A Nielsen, A Pérez-Rodriguez, T Regnier, P Schuchert, N Walker & J White. 2022. Workshop on Stock Identification of West of Scotland Sea Cod (WK6aCodID; outputs from 2021 meeting). *ICES Scientific Reports*. 4:5. 24 pp.

10. Stransky C, F Berg, S Cadrin, R Castilho, M Hidalgo, K Hüsey, L Kerr, T Leinonen, K Mackenzie, K Mahé, S Mariani, R McBride, CM Albertsen, D Murray, C Pampoulie, N Rodriguez-Ezpeleta, S Tanner, E White, L Wennerström, Z Whitener & D Zemeckis. 2022. Stock Identification Methods Working Group (SIMWG). ICES Scientific Reports. 4:72. 66 pp.
11. Alade L, M Andersen, E Balestri, CW Berg, A Baudron, E Brown, S Cadrin, K Coull, J De Oliveira, GE Dingsør, H Dobby, J Ellis, N Fallon, R Girardin, K Hyder, A Jaworski, C Junge, A Kempf, R Lavezza, P Macdonald, G Meun, S Meyns, T Miethe, SL Millar, C Needle, A Nielsen, A Orio, A Pérez-Rodriguez, M Storr-Paulsen, G Romagnoni, H Sparholt, K Sys, L Vansteensbrugge, J Vlietinck, N Walker, H Wehde & S Weltersbach. 2021. Benchmark Workshop on North Sea Stocks (WKNSEA). ICES Scientific Reports. 3:25.
12. Cadrin S & TA Munroe 2021. *Liopsetta putnami*. The IUCN Red List of Threatened Species 2021: e.T158632357A158638051. <https://dx.doi.org/10.2305/IUCN.UK.2021-2.RLTS.T158632357A158638051.en>
13. Cadrin S, M Siskey, TA Munroe & B Chanet. 2021. *Scophthalmus aquosus*. The IUCN Red List of Threatened Species 2021: e.T190417A16510832. <https://dx.doi.org/10.2305/IUCN.UK.2021-2.RLTS.T190417A16510832.en>
14. Frey A, G DeCelles, S Van Parijs, C McGuire, M Camisa & S Cadrin. 2021. Assessing potential impacts of offshore wind development on a species vulnerable to climate change. ICES CM C: 369.
15. Hansell A, S Becker, C Brown, S Cadrin, W Golet, M Lauretta, J Walter & L Kerr. 2021. Investigation of model improvements for the U.S. large (>177 cm) Atlantic bluefin tuna index of abundance. ICCAT SCRS/2021/38.
16. Hansell A, A Hanke, S Becker, S Cadrin, M Lauretta, J Walter, W Golet & L Kerr. 2021. Development of a western large (>177 cm) Atlantic bluefin tuna index of abundance based on Canadian and USA rod and reel fisheries data. ICCAT SCRS/2021/39.
17. Karp MA, M Grezlik, J Link, S Cadrin, G Fay, P Lynch, H Townsend & R Methot. 2021. Workshop report: Multispecies Modeling Applications in Fisheries Management, hosted virtually by NMFS and UMASS-SMAST, June 22-24, 2021. NOAA Technical Memorandum NMFS-F/SPO-223.
18. Karp W, S Cadrin & T Essington (Eds). 2021. Workshop on Graduate/Post Graduate Education Strategy to Meet Future ICES Advisory Needs (WKEDU; outputs from the 2020 meeting). ICES Scientific Reports. 3:6. 40 pp.
19. Saillant E, D Portnoy, S Cadrin, J Mareska & N Putman. 2021 Genetics Working group. Pp. 41-49 In SEDAR 74 Gulf of Mexico Red Snapper Stock ID Process Final Report (http://sedarweb.org/docs/page/S74_Stock_ID_Report_FINAL.pdf).
20. Stransky C, CM Albertsen, D Secor, D Zemeckis, E White, F Berg, H de Pontual, K Hüsey, K Mahé, K Mackenzie, L Kerr, L Wennerström, M Hidalgo, M Gras, N Campbell, PR Santos, R McBride, R Castilho, S Mariani, S Cadrin, S Tanner, T Leinonen & Z Whitener. 2021. Stock Identification Methods Working Group (SIMWG). ICES Scientific Reports. 3:90. 37 pp.
21. Cadrin S. 2020. The Fallacy and Consequences of Retrospective ‘Bias’ and ‘Correction’ in Stock Assessment. In Workshop on Catch Forecast from Biased Assessments (WKFORBIAS). ICES Scientific Reports. 2:28. Pp 5-7.

22. Cadrin, SX (Ed). 2020. Workshop on Stock Identification of North Sea Cod (WKNSCodID). ICES Scientific Reports. 2:89. 82 pp.
23. Cadrin S, R Frede, E Keiley, B Linton, J-J Maguire, P Rago, R Bell, V Giacalone, C Demarest, C Brown, M Gibson, C O'Keefe, G DeCelles, B Wright, A Hansell, C McGuire & D Hennen. 2020. Fishery Data for Stock Assessment Working Group Report. New England Fishery Management Council Report (www.nefmc.org/library/january-2019-fishery-data-for-stock-assessment-working-group-report).
24. Darden T, A Bernard, S Cadrin, J Mareska, D Portnoy & E Wallace. 2020. Genetics Working Group. Pp 27-30 In Gulf of Mexico and Atlantic Scamp Stock ID Process Final Report. SEDAR68-SID-05.
25. Hansell AC, J Walter, SX Cadrin, W Golet, A Hanke, M Lauretta & L Kerr. 2020. Incorporating the Atlantic Multidecadal Oscillation into the western Atlantic bluefin tuna stock assessment. ICCAT SCRS/2020/071.
26. Kerr L, S Cadrin, H De Pontual, K Hüsey, K Mackenzie, K Mahe, S Mariani, R McBride, D Secor, C Stransky & Z Whitener. 2020. Stock Identification Methods Working Group (SIMWG; outputs from 2019 meeting). ICES Scientific Reports. 2:7. 93 pp. <http://doi.org/10.17895/ices.pub.5960>
27. Maguire, J-J & SX Cadrin. 2020. An update of the 2017 ASAP runs for Atlantic Bluefin tuna. ICCAT SCRS/2020/125.
28. Richardson D, T Chute, L Alade, S Cadrin, J Grabowski, N Lengyel, K Marancik, R McBride, Z Whitener & I Wirgin. 2020. Final report of red hake stock structure working group. NEFSC Ref Doc. 20-07.
29. Stransky C, F Berg, S Cadrin, M Gras, M Hidalgo, K Hüsey, L Kerr, K Mackenzie, K Mahé, S Mariani, R McBride, D Secor, C Stransky, E White & Z Whitener. 2020. Stock Identification Methods Working Group (SIMWG). ICES Scientific Reports. 2:94. 32 pp.
30. Cadrin S, D Goethel, L Kerr, G Fay & M Morse. 2019. The importance of accurately accounting for geographic stock structure in recruitment estimation. pp 43. In R Sharma, CE Porch, EA Babcock, M Maunder & AE Punt, Eds. Recruitment: Theory, Estimation, and Application in Fishery Stock Assessment Models. NOAA Technical Memorandum NMFS-NWFSC-148.
31. Cadrin SX, LA Kerr, A Weston & W Golet. 2019. Engagement of U.S. stakeholders in Management Strategy Evaluation of Atlantic bluefin tuna fisheries. ICCAT SCRS/2019/126.
32. Kerr LA, Z Whitener, S Cadrin, M Morse, D Secor & W Golet. 2019. Origin of Atlantic bluefin tuna in the U.S. rod and reel fishery and application of mixed stock information to fisheries management. ICES CM 2019/E:245.
33. Morse MR, LA Kerr & SX Cadrin. 2019. Evaluation of an $F_{0.1}$ management procedure using an alternative Management Strategy Evaluation framework for Atlantic bluefin tuna. ICCAT SCRS/2019/017.
34. Punt AE, S Cadrin, D Fu, K Lorenzen, R Methot, K Piner & J Walter. 2019. 2nd review of the stock assessment of bigeye tuna in the eastern Pacific Ocean. Inter-American Tropical Tuna Commission Special Report. WSBET-02
35. Weston, AE, LA Kerr, SX Cadrin & MR Morse. 2019. Performance of a $F_{0.1}$ management procedure using alternative operating models. ICCAT SCRS/2019/127.

36. Hansell AC, G DeCelles & S Cadrin. 2018. Incorporating fisher knowledge into an index of abundance for Atlantic halibut (*Hippoglossus hippoglossus*) in the Gulf of Maine. ICES C.M. 2018/R:281.
37. Hansell A, G DeCelles and S Cadrin. 2018. Using Fishermen's Knowledge to Improve Abundance Estimates for Atlantic Halibut (*Hippoglossus hippoglossus*) in the Gulf of Maine. In Mercaldo-Allen R, Chambers C, Davis D, Dixon M, Dwyer S, Fairchild E, Howell P, Munroe T, Powell C, Sutherland S. 2018. 16th Flatfish Biology Conference 2018 Program and Abstracts. NEFSC Ref Doc. 18-14: 28.
38. Wright B, A Hansell, S Cadrin, M Sanderson, M Hager & C McGuire. 2018. Applications of voluntary electronic monitoring system data in the Northeast US groundfish fishery. ICES C.M. 2018/P:220.
39. Wright BL, CE O'Keefe B Galuardi, J Peros & SX Cadrin. 2018. Factors influencing scallop landings per unit effort (LPUE). 65th Northeast Stock Assessment Workshop Working Paper.
40. Cadrin S, M Morse, L Kerr, D Secor & M Siskey. 2017. Exploratory stock assessment of eastern and western population-of-origin Atlantic bluefin tuna accounting for stock composition. ICCAT SCRS/2017/174.
41. Galuardi B, SX Cadrin, I Arregi, H Arrizabalaga, A DiNatale, C Brown, M Lauretta & M Lutcavage. 2017. Atlantic bluefin tuna area transition matrices estimated from electronic tagging and SATTAGSIM. ICCAT SCRS 2017/045.
42. Kerr L, S Cadrin, D Goethel, A Kovach, G Sherwood, Z Whitener & D Zemeckis. 2017. Biocomplexity of Atlantic cod in the Gulf of Maine and its role in resiliency of a fishery. ICES CM 2017/F:371.
43. Kerr LA, MR Morse, SX Cadrin & B Galuardi. 2017. Application of an Atlantic bluefin tuna operating model to generate pseudodata for stock assessment testing. ICCAT SCRS/2017/177.
44. Maguire J-J, SX Cadrin, A Hanke & G Melvin. 2017. An exploration of bluefin tuna data in the north Atlantic (west and east + Mediterranean) with ASAP. ICCAT SCRS/2017/153.
45. Morse M, S Cadrin, L Kerr, D Secor, M Siskey, H Arrizabalaga, A Hanke & C Porch. 2017. Updated analysis of bluefin tuna stock mixing. ICCAT SCRS/2017/190.
46. Morse MR, LA Kerr & SX Cadrin. 2017. Simulating virtual population analysis of mixed Atlantic bluefin tuna stocks. ICCAT SCRS/2017/178.
47. Morse MR, LA Kerr, DH Secor & SX Cadrin. 2017. Evaluating the performance of alternative stock assessment models for mixed Atlantic bluefin tuna stocks ICES CM 2017/S:180.
48. Wright BL, CE O'Keefe & SX Cadrin. 2017. Improving fishery catch rate estimates to reduce management uncertainty in the US sea scallop fishery. ICES CM 2017/S:244.
49. Mandelman JW, DR Zemeckis, WS Hoffman, MJ Dean, SX Cadrin, JA Sulikowski, CW Capizzano, HS Benoît, E Jones, N Ribblett & N Buchan. 2016. Determining the post-release mortality rate and "best capture and handling" methods for haddock (*Melanogrammus aeglefinus*) discarded in Gulf of Maine recreational fisheries. Report to the Northeast Consortium.
50. Cadrin SX & BL Wright 2016. Considering Fishery Catch Rates for New England Groundfish Assessments: A Case Study in Witch Flounder. In Mercaldo-Allen et al. Eds, 15th Flatfish Biology Conference 2016 Program and Abstracts. NEFSC Ref Doc 16-14: 17.

51. Cadrin S & B Wright 2016. Fishery Catch Rates of Witch Flounder. SAW62 Witch Flounder Working Paper.
52. Fay G & S Cadrin 2016. Simulation testing assessment models for Black Sea Bass. 62nd Northeast Regional Stock Assessment Workshop (62nd SAW) Assessment Report. NEFSC Ref Doc. 17-03, Appendix A6. (<http://www.nefsc.noaa.gov/publications/crd/crd1703/>).
53. Fay G, J McNamee & S Cadrin 2016. Stock Synthesis Application to Black Sea Bass. 2nd Northeast Regional Stock Assessment Workshop (62nd SAW) Assessment Report. NEFSC Ref Doc. 17-03, Appendix A9. (<http://www.nefsc.noaa.gov/publications/crd/crd1703/>).
54. Wright BL, CE O'Keefe & SX Cadrin 2016. Little data, big impact: using simple data protocols to achieve real-time management goals. ICES CM 2016/ O:127.
55. Cadrin SX. 2015. Infamous Northern Cod makes a Comeback while Gulf of Maine Cod Suffers. Sustainable Fisheries: the science of sustainable seafood, explained. sustainablefisheries-uw.org.
56. Cadrin SX. 2015. Exploratory Analyses of the Central Stock of Sardine (Zones A+B). FAO Working Group on the Assessment of Small Pelagic Fish off Northwest Africa. Working paper.
57. Cadrin SX. 2015. Exploratory Analyses of the Southern Stock of Sardine (Zone C). FAO Working Group on the Assessment of Small Pelagic Fish off Northwest Africa. Working paper.
58. Cadrin S, J Henderschedt, P Mace, S Mursawski, J Powers, AE Punt & V Restrepo. 2015. Addressing Uncertainty in Fisheries Science and Management. National Aquarium. <http://www.fao.org/3/a-bf336e.pdf>
59. Kerr LA, NT Hintzen, SX Cadrin, LW Clausen, M Dickey-Collas, EMC Hatfield, DR Goethel, C Harma, J Kritzer, RDM Nash, AG Murta & A Silva 2015. A conceptual framework for understanding the implications of and potential solutions for mismatches in scale of biological population structure and stock units. ICES CM E:07.
60. Lapp M, K Almeida, and S Cadrin. 2015. Commercial Fishermen's Perspectives on the Scup Fishery and Resource. SAW60 Scup Working Paper.
61. McGuire CH, DR Zemeckis, WS Hoffman, MJ Dean, F Mirarchi, SX Cadrin & SM Van Parijs 2015. Collaborative Cod Spawning Research in the Gulf of Maine. ICES CM L:26.
62. O'Keefe CE, SX Cadrin, R Canastra & M Phillips 2015. Collaborative approaches to optimize harvest within bycatch constraints in the New England multispecies fishery. ICES CM L:24.
63. Saha A, M Kent, L Hauser, B Planque, J-I Westgaard, S Cadrin & T Johansen 2015. Genome-wide SNPs reveal divergence within the *S. mentella* complex. ICES CM I:07.
64. Zemeckis D, C Capizzano, E Jones, M Dean, W Hoffman, N Buchan, SX Cadrin, & J Mandelman 2015. Utilizing collaborative science-industry partnerships to estimate the post-release mortality rate of haddock discarded in the Gulf of Maine recreational fishery. ICES CM L:12.
65. Zemeckis D, M Dean, W Hoffman, C Liu, G Cowles, D Martins, L Kerr, MP Armstrong & SX Cadrin 2015. Implications of Atlantic cod seasonal movements and population connectivity for fishery management and stock assessment in the Gulf of Maine. ICES CM E:10.

66. Alade L & SX Cadrin 2014. Summary of Yellowtail Flounder Conventional Tagging Study. TRAC WP 2014/02.
67. Cadrin SX 2014. The effect of a higher natural mortality on overfishing reference points for Georges Bank Yellowtail Flounder. TRAC WP 2014/26.
68. Cadrin SX, K Blinkoff & Cate O'Keefe. 2014. Monitoring ecosystem change using fishermen's knowledge: the connoisseurs of the marine environment. Supplementary data for Dorner et al. Synthesis of the 2014 ICES symposium on fishery-dependent information. ICES J Mar Sci, doi: 10.1093/icesjms/fsu222.
69. Cadrin S, J Melgey & KDE Stokesbury 2014. Abundance of Yellowtail Flounder in the Access Area of Closed Area II on Georges Bank in June 2008 from a Large-Scale Petersen Tagging Study. TRAC WP 2014/25.
70. Cadrin S & I Mosqueira 2014. Report of the ICES Training Course: Stock Assessment (Introduction) (TCSAI), 14-18 July 2014.
71. Cadrin S & CE O'Keefe. Relative Abundance at age and size of Yellowtail Flounder off New England. TRAC WP 2014/12.
72. Cadrin S, K Stokesbury & G DeCelles 2014 Empirical Stock Assessment of Flatfishes as a More Robust Approach to Climate Change. Pp 5 In 14th Flatfish Biology Conference. NEFSC Ref Doc. 14-15.
73. DeCelles G, K Thompson & S Cadrin 2014. Estimates of yellowtail flounder biomass on Georges Bank derived from a seasonal dredge survey. TRAC WP 2014/20.
74. DeCelles G, K Thompson, M Winton & SX Cadrin 2014. Abundance and Distribution of Yellowtail Flounder on Georges Bank. Pp 7 In 14th Flatfish Biology Conference. NEFSC Ref Doc. 14-15.
75. Eayrs, S, S Cadrin & C Glass. 2014. Change in Fisheries: adapting to new management strategies and environmental shifts. Supplementary data for Dorner et al. Synthesis of the 2014 ICES symposium on fishery-dependent information. ICES J Mar Sci, doi: 10.1093/icesjms/fsu222.
76. Galuardi B, SX Cadrin, L Kerr, TJ Miller & M Lutcavage 2014. Using electronic tag data to provide transition matrices for movement inclusive population models. ICCAT SCRS/2014/177.
77. Kerr LA, SX Cadrin, DH Secor & N Taylor 2014. Evaluating the effect of Atlantic bluefin tuna movement on the perception of stock units. ICCAT SCRS/2014/170.
78. Kerr LA, J Kritzer & SX Cadrin 2014. A Question of Scale: Evaluating the impact of marine protected areas off of New England on groundfish productivity ICES CM 2014/B:20.
79. Legault CM & SX Cadrin 2014. A guided tour through the yellowtail flounder literature for the 2014 Georges Bank yellowtail flounder diagnostic benchmark. TRAC WP 2014/28.
80. Nichols OC, JR King, JA Hare & SX Cadrin 2014. Untangling drivers, mechanisms and scales of environmental effects on squid availability to a seasonal inshore fishery. ICES CM 2014/P:05.
81. O'Keefe CE, GR DeCelles & SX Cadrin. 2014. Using fishermen-reported data to reduce bycatch: the US sea scallop example. Supplementary data for Dorner et al. Synthesis of the 2014 ICES symposium on fishery-dependent information. ICES J Mar Sci, doi: 10.1093/icesjms/fsu222.

82. O'Keefe CE, GR DeCelles & SX Cadrin 2014. Spatial and temporal patterns of Georges Bank yellowtail flounder from the SMAST Bycatch Avoidance Program. TRAC WP 2014/03.
83. Stokesbury K, EK Adams, ND Bethoney, SX Cadrin & G Decelles 2014. A new groundfish survey technique examining Georges Bank Yellowtail Flounder. TRAC WP 2014/45.
84. Wright BL, CE O'Keefe, GR DeCelles & SX Cadrin 2014. Factors of Yellowtail Flounder Bycatch in the Georges Bank Sea Scallop Fishery. Pp 7 In 14th Flatfish Biology Conference. NEFSC Ref Doc. 14-15.
85. Cadrin S & I Mosqueira 2013. Report of the ICES Training Course: Stock Assessment (Introduction) (TCSAI), 27-31 May 2013.
86. O'Keefe CE, D Georgianna, K Stokesbury & S Cadrin 2013. Social and economic drivers of bycatch avoidance behavior. ICES CM 2013/C:20.
87. Zemeckis D, M Dean, W Hoffman, MP Armstrong & SX Cadrin 2013. Movements of Atlantic cod spawning in the western Gulf of Maine. ICES CM 2013/O:07
88. Alade L & S Cadrin. 2012. A Review of Yellowtail Flounder Stock Structure off New England. SAW54 SDWG WP5.
89. Barkley A & S Cadrin 2012. Estimating discard mortality of flatfishes using reflex impairment predictors ICES CM 2012/C:03
90. Barkley A & S Cadrin. 2012. Results of the application of Reflex Action Mortality Predictors onboard commercial fishing vessels. SAW54 SDWG WP8.
91. Barkley A, G DeCelles, S Cadrin & L Kerr. 2012. Results of an Industry-Based Survey for Yellowtail Flounder in Southern New England. SAW54 SDWG WP.
92. Cadrin S. 2012. Evaluation of Alternative Fmsy Proxies. SAW54 SDWG WP.
93. Cadrin SX 2012. Unintended Consequences of MSY Proxies for Defining Overfishing. ICES CM 2012/L:23.
94. Cadrin S & I Mosqueira. 2012. Report of the ICES Training Course: Stock Assessment (Introduction) (TCSAI), 9-13 July 2012, 17 pp.
95. Cadrin S, D Richardson, J Deroba & S Correia. 2012. Information on Stock Structure of Atlantic Herring off New England. SAW54 Herring Working Paper.
96. DeCelles G, S Roman, A Barkley & S Cadrin 2012. Forming Collaborative Partnerships to Improve Fisheries Research Surveys. ICES CM 2012/F: 03.
97. Goethel DR, SX Cadrin & BJ Rothschild 2012. Reconsidering Historical Definitions of Overfishing and the Balance between Sustainable Use and Overexploitation. ICES CM 2012/L:25.
98. Goethel DR, LA Kerr & SX Cadrin 2012. Incorporating spatial population structure in stock assessment models of marine species. ICES CM 2012/N:03.
99. Harma C, L Kerr, S Cadrin, M Clarke & D Brophy 2012. Insight on the consequences of metapopulation structure in herring from a spatially explicit simulation model of Atlantic herring, *Clupea harengus*. ICES CM 2012/N:16

100. Kerr LA, SX Cadrin & DH Secor 2012. Evaluating population effects and management implications of mixing between eastern and western Atlantic bluefin tuna stocks. ICES CM 2012/N:13.
101. Kerr LA, SX Cadrin, DH Secor & N Taylor 2012. A Simulation Tool to Evaluate Effects of Mixing between Atlantic Bluefin Tuna Stocks. ICCAT SCRS/2012/153.
102. O'Keefe CE, SX Cadrin & KDE Stokesbury. 2012. Evaluating Success of Bycatch Mitigation Measures. ICES CM 2012/C:17.
103. Roman S, S Cadrin & P He 2012. Can groundgear modifications minimize bycatch of flatfish in the New England trawl fishery? ICES CM 2012/C:20
104. Saha A, TG Kirubakaran, M Kent, S Lien, J-I Westgaard, SE Fevolden, L Hauser, H Knutsen, S Cadrin & T Johansen 2012. Consistency between management units and genetic structure in saithe (*Pollachius virens*)? Application of modern genetic tools to an exploited species in the North Atlantic. ICES CM 2012/H:16.
105. Zemeckis D, W Hoffman, M Dean, MP Armstrong, D Martins & SX Cadrin 2012. Fidelity within and connectivity among subpopulations of Atlantic cod. ICES CM 2012/N:01.
106. Wood A.D., S.X. Cadrin, L. Alade, D. Martins, J. Moser and A.D. Westwood. 2012. Mortality and movement of yellowtail flounder, *Limanda ferruginea*, tagged off New England. SAW54 SDWG WP1.
107. Berkson J, L Barbieri, S Cadrin, SL Cass-Calay, P Crone, M Dorn, C Friess, D Kobayashi, TJ Miller, WS Patrick, S Pautzke, S Ralston, M Trianni 2011. Calculating Acceptable Biological Catch for Stocks That Have Reliable Catch Data Only (Only Reliable Catch Stocks – ORCS). NOAA Tech. Mem. NMFS-SEFSC-616, 56p.
108. Cadrin SX 2011 Biology of Acadian redfish and implications for optimum yield in a mixed-species fishery ICES CM 2011/A:25.
109. Cadrin SX 2011 Ecosystem approaches to marine science and advice: looking back before we leap forwards. ICES Inside Out No. 3.
110. Cadrin SX & DL Georgianna 2011 A risk-based interface between science and management in the U.S. fisheries system. ICES CM 2011/P:09.
111. Cadrin S & E Jardim 2011 Report of the Training course: Stock Assessment Introduction. ICES Report TCSAI2011.
112. Col L, J Link, S Cadrin & D Palka 2011 Estimating fish predation by marine mammals on the Northeast US continental shelf. ICES CM/I:12.
113. Goethel DR & SX Cadrin 2011. Movement Modeling in Stock Assessment: From Beverton and Holt and Back Again. ICES CM 2011/D:02.
114. Johansen T, B Planque, L Hauser, S Cadrin, H Knutsen, M Kent, J-I Westgaard & S Lien 2011 SNPfish: Use of Single Nucleotide polymorphisms to improve fishery management. ICES CM 2011/A:30.
115. Miller TJ & SX Cadrin 2011. Assessment and Status of the US Gulf of Maine-Georges Bank Acadian Redfish Stock. ICES CM 2011/A:11.

116. O'Keefe CE & SX Cadrin 2011 The advantages of proactive management over reactive regulations for implementing accountability in the US sea scallop fishery. ICES CM 2011/P:10.
117. Quinn, TJ II, JN Ianelli, SX Cadrin, V Wespestad & SJ Barbeaux 2011 Report on a workshop on spatial structure and dynamics of walleye pollock in the Bering Sea. AFSC Processed Rep. 2011-04.
118. Cadrin S, B Rothschild, A Westwood, C O'Keefe, G DeCelles, E Keiley & D Georgianna 2010 A systems approach to fisheries science and management: beyond management strategy evaluation. ICES CM 2010/R:02.
119. Cadrin S & I Mosqueira 2010 Report of the ICES training course: Stock Assessment – Introduction. ICES Report TCSA12010.
120. Barkley A, CM Legault, L Alade & SX Cadrin. 2010. Sensitivity of the Georges Bank Yellowtail Flounder Stock Assessment to Alternative Estimates of Discard Mortality Including Gear Dependent Sensitivity. TRAC Ref Doc. 2010/07.
121. DeCelles G, S Cadrin & G Cowles 2010 The Fate of Winter Flounder Larvae Spawned in Coastal Waters of the Gulf of Maine. ICES CM 2010/A:01.
122. Goethel DR & SX Cadrin 2010 Integrating larval dispersal into a full life history stock assessment model. ICES CM 2010/ L:01.
123. Hogan F & S Cadrin ICES 2010 Lumping New England skate species into a 'stock complex': does the approach meet our management objectives? CM 2010/E:06
124. Hyun S-Y, SX Cadrin & S Roman 2010 Exploratory analysis of fishery data for Georges Bank yellowtail flounder. TRAC Ref. Doc. 2010/12.
125. Keiley EF, F Hogan, A Westwood, D Georgianna & S Cadrin 2010 The performance of u.s. fishery management, a case study: the northeast skate complex. ICES CM 2010/E:02.
126. Legault CM, SX Cadrin & JH Melgey 2010 What Percent of the Yellowtail Flounder Population is in the Petersen Tag Experiment Study Area? TRAC Working Paper 2010/10.
127. Nichols OC & SX Cadrin 2010 Environmental effects on seasonal variability in squid distribution – are local conditions important? ICES CM 2010/G:36.
128. O'Keefe CE, G DeCelles, D Georgianna, K Stokesbury & SX Cadrin 2010 Confronting the bycatch issue: an incentive-led approach to maximizing yield in the US sea scallop fishery. ICES CM 2010/P:04.
129. Roman S & S Cadrin 2010 The use of generalized additive models to examine relationships between environmental variables and commercial catch rates. ICES CM 2010/G:25.
130. Barkley A & S Cadrin 2009 Mitigating by-catch with spatial and temporal hotspot avoidance using patterns in discard mortality rate. ICES CM 2009/M:17.
131. Cadrin S, M Bernreuther, AK Daniélsdóttir, E Hjörleifsson, T Johansen, L Kerr, K Kristinsson, S Mariani, C Pampoulie, J Reinert, F Saborido-Rey, T Sigurdsson & C Stransky 2009 Mechanisms and consequences of life cycle diversity of beaked redfish, *Sebastes mentella*. ICES CM 2009/H:01.

132. Cadrin S, K La Valley, R Gallant Feeney, G Shepherd & S Tallack 2009 Tagging 2008: A report on the northeast regional tagging symposium. N.H. Sea Grant College Program UNHMP-R-SG-09-02.
133. Dankel DJ, N Jacobson, D Georgianna & SX Cadrin 2009 Holistic evaluation of management policies: What are the consequences of modified gear use on Georges Bank? ICES CM/ O:26.
134. DeCelles GR & SX Cadrin 2009 Winter flounder movements in the southern Gulf of Maine. ICES CM 2009/B:16.
135. Goethel DR, CM Legault & SX Cadrin 2009 A spatially explicit stock assessment model incorporating tagging data. ICES CM 2009/ J:02.
136. Jacobson N & S Cadrin 2009 Bioeconomic expectations for New England groundfish. ICES CM 2009/O:32.
137. Kerr LA, SX Cadrin & DH Secor 2009 Consequences of spatial structure and connectivity to productivity and persistence of local and regional populations. ICES CM 2009/H:02.
138. Eagle TC, SX Cadrin, ME Caldwell, RD Methot & MF Nammack 2008 Conservation units of managed fish, threatened or endangered species, and marine mammals. NOAA Tech. Mem. NMFS-OPR-37.
139. Alade L & S Cadrin. 2007. Evaluating the Precision and Accuracy of the Yellowtail Flounder Movement-Mortality Model via Simulation. Groundfish Assessment Review Meeting Working Paper C7. (http://www.nefsc.noaa.gov/GARM-Public/1.DataMeeting/C.7%20GARMWP3G.Movement-Mortality_Simulation.pdf)
140. Alade L, C Legault & S Cadrin 2008 Southern New England – Mid Atlantic yellowtail flounder. NEFSC Ref. Doc. 08-15:2-161 to 2-196.
141. Jacobson N & S Cadrin 2008 Projecting equilibrium, mixed-species yield of New England groundfish. ICES CM 2008/I:0.
142. Legault C, L Alade, S Cadrin, J King & S Sherman 2008 Cape Cod – Gulf of Maine yellowtail flounder. NEFSC Ref. Doc. 08-15:2-197 to 2-227.
143. Cadrin S, G Shepherd, T Sheehan, S Kubis, J Moser, A Westwood 2007 Using information from electronic tags for stock assessment of northeast fishery resources. pp 60-61 In Workshop on Advancing Electronic Tag Technologies and Their Use in Stock Assessments. NOAA Tech. Mem. NMFS-F/SPO-82.
144. Cadrin, SX, BJ Rothschild & I Wirgin 2007 To lump, or to split? ... maybe the wrong question for stock identification of fishery resources. ICES CM 2007/L:01.
145. Cadrin S. 2007. Movement-Mortality Analyses of Yellowtail Flounder Tagging Data. Groundfish Assessment Review Meeting Working Paper C6. (<http://www.nefsc.noaa.gov/GARM-Public/1.DataMeeting/C.6%20GARMWP3F%20YT%20movement-mortality.pdf>)
146. Cadrin S, A Westwood, L Alade, J Moser & D Martins. 2007. Yellowtail Flounder Tagging Data. Groundfish Assessment Review Meeting Working Paper C5. (<http://www.nefsc.noaa.gov/GARM-Public/1.DataMeeting/C.5%20GARMWP3E%20YT%20Tagging%20Data.pdf>)
147. DeCelles GR & SX Cadrin 2007 An interdisciplinary assessment of winter flounder stock structure. ICES CM 2007/L:18.

148. Loehrke J & S Cadrin. 2007. A Review of Tagging Information for Stock Identification of Cod off New England. Groundfish Assessment Review Meeting Working Paper C2.
(<http://www.nefsc.noaa.gov/GARM-Public/1.DataMeeting/C.2%20GARMWP3B%20Cod%20Stocks.pdf>)
149. Richards A, P Nitschke, S Cadrin, P Rago & J-J Maguire 2007 Population biology and assessment of monkfish (*Lophius americanus*) in USA waters. ICES CM 2007/K:04.
150. Shepherd G, S Cadrin, J Moser, A Westwood & S Kubis 2007 Application of electronic data storage tags in studies of black sea bass and yellowtail flounder in the Northwest Atlantic. pp 43-44 In Workshop on Advancing Electronic Tag Technologies and Their Use in Stock Assessments. NOAA Tech. Mem. NMFS-F/SPO-82.
151. Wood T & S Cadrin. 2007. Can Survival be Estimated from the Yellowtail Flounder Tag-recapture Database? A Preliminary Analysis. Groundfish Assessment Review Meeting Working Paper C5.
(<http://www.nefsc.noaa.gov/GARM-Public/1.DataMeeting/C.8%20GARMWP3H%20YTMARK-jw.pdf>)
152. Cadrin S & R Brown 2006 Recent recruitment of yellowtail flounder in southern New England. NEFSC Ref. Doc. 06-23: 30.
153. Cadrin SX & J Moser 2006 Partitioning on-bottom and off-bottom Behavior: a case study with yellowtail flounder off New England. ICES C.M. 2006/Q:14.
154. Recksiek CW, G Fischer, HT Rossby, SX Cadrin, & P Kasturi 2006 Development and application of 'RAFOS' tags for studying fish movement. ICES C.M. 2006/Q:16.
155. Sosebee KA & SX Cadrin. 2006. A historical perspective on the abundance and biomass of northeast demersal complex stocks from NMFS and Massachusetts inshore bottom trawl surveys, 1963-2002. NEFSC Ref Doc. 06-05.
156. Begg GA, MF O'Neill, SX Cadrin, MAJ Bergenius. 2005. Stock assessment of the Australian east coast spotted mackerel fishery. CRC Reef Research Centre Technical Report No. 58. 167 pp.
157. Cadrin SX, KL Bolles, WJ Overholtz, MP Armstrong & KD Friedland 2005 Using multidisciplinary stock identification to optimize morphometric discrimination of Atlantic herring spawning groups off New England. ICES CM 2005/K:09.
158. Cadrin S & C Legault 2005 Southern New England-Mid Atlantic yellowtail flounder. In Assessment of 19 Northeast Groundfish Stocks through 2004. NEFSC Ref. Doc. 05-13: 103-126.
159. Cadrin S, C Legault & J King 2005 Cape Cod-Gulf of Maine yellowtail flounder. In Assessment of 19 Northeast Groundfish Stocks through 2004. NEFSC Ref. Doc 05-13: 127-148.
160. Tallack S, P Rago, S Cadrin & J Hoey 2005 Proceedings of a workshop to review and evaluate the design and utility of fish mark - recapture projects in the northeastern United States. NEFSC Ref. Doc. 05-02.
161. Brodziak JKT, SX Cadrin, CM Legault & SA Murawski 2004 Goals and strategies for rebuilding New England groundfish stocks. ICES C.M. 2004/K:42.
162. Cadrin SX & AD Westwood 2004 The use of electronic tags to study fish movement: a case study with yellowtail flounder off New England. ICES CM 2004/K:81.

163. Cadrin S, A Westwood, L Alade, N Keith, R Rountree, D Martins, R Kessler, D Jones, A Valliere, J King, J Boardman, H Stone & New England Fishermen 2004 Movement of yellowtail flounder: a cooperative tagging study. Pp 13 in Ninth Flatfish Biology Conference. NEFSC Ref. Doc. 04-13.
164. Begg, GA, MF O'Neill, SX Cadrin and MAJ Bergenius 2004 Assessment of the ecological sustainability of the Australian east coast spotted mackerel fishery. CRC Reef Project B.4.16.
165. Cadrin, SX 2003 Stock assessment of yellowtail flounder in the southern New England - Mid Atlantic area. NEFSC Ref. Doc. 03-02.
166. Cadrin SX & J King. 2003. Stock assessment of yellowtail flounder in the Cape Cod - Gulf of Maine area. NEFSC Ref. Doc. 03-03.
167. Mace PM, SX Cadrin, RE Crabtree, GH Darcy, JH Dunnigan, AZ. Katekaru, AD MacCall, ME McCall, RDMethot & GG Thompson. 2003. Report of the NMFS National Standard 1 Guidelines Working Group. NOAA NMFS, Washington, D.C.
(http://archive.nefmc.org/press/press_releases/NS1_work_group_report.pdf)
168. O'Brien L, C Legault, R Brown & S Cadrin 2003 Rebuilding of major groundfish stocks on Georges Bank: Haddock and Yellowtail take the lead, Cod lags behind. NOAA Tech. Mem. NMFS-F/SPO-62: 21.
169. Cadrin SX 2002 Mid-Atlantic yellowtail flounder. In Assessment of 20 Northeast Groundfish Stocks through 2001. NEFSC Ref. Doc. 02-16: 293-297.
170. Cadrin SX 2002 Southern New England yellowtail flounder. In Assessment of 20 Northeast Groundfish Stocks through 2001. NEFSC Ref. Doc. 02-16: 83-103.
171. Cadrin SX & J King 2002 Cape Cod yellowtail flounder. In Assessment of 20 Northeast Groundfish Stocks through 2001. NEFSC Ref. Doc. 02-16: 104-122.
172. Mayo RK, J Brodziak, M Thompson, J Burnett & SX Cadrin 2002 Biological characteristics, population dynamics, and current status of redfish, *Sebastes fasciatus* Storer, in the Gulf of Maine-Georges Bank region. NEFSC Ref. Doc. 02-05.
173. Mayo RK, E Thunberg, SE Wigley & SX Cadrin. 2002. The 2001 assessment of the Gulf of Maine cod stock. NEFSC Ref. Doc. 02-02.
174. Cadrin SX 2001 Cape Cod yellowtail flounder. In Assessment of 19 Northeast Groundfish Stocks through 2000. NEFSC Ref. Doc. 01-20: 67-79.
175. Cadrin SX 2001 Georges Bank yellowtail flounder. In Assessment of 19 Northeast Groundfish Stocks through 2000. NEFSC Ref. Doc. 01-20: 36-53.
176. Cadrin SX 2001 Mid-Atlantic yellowtail flounder. In Assessment of 19 Northeast Groundfish Stocks through 2000. NEFSC Ref. Doc. 01-20: 190-194.
177. Cadrin SX 2001 Southern New England yellowtail flounder. In Assessment of 19 Northeast Groundfish Stocks through 2000. NEFSC Ref. Doc. 01-20: 54-66.
178. Stone H, C Legault, S Cadrin, S Gavaris, J Neilson, & P Perley. 2001. Stock assessment of Georges Bank (5Zjmnh) yellowtail flounder for 2001. DFO Res. Doc. 2001/068.

179. Cadrin SX 2000 Cape Cod yellowtail flounder. In Assessment of 11 Northeast Groundfish Stocks through 1999. NEFSC Ref. Doc. 00-05: 83-98.
180. Cadrin SX 2000 Georges Bank yellowtail flounder. In Assessment of 11 Northeast Groundfish Stocks through 1999. NEFSC Ref. Doc. 00-05: 45-64.
181. Cadrin SX 2000 Southern New England yellowtail flounder. In Assessment of 11 Northeast Groundfish Stocks through 1999. NEFSC Ref. Doc. 00-05: 65-82.
182. Cadrin SX, JD Neilson, S Gavaris & P. Perley 2000 Assessment of the Georges Bank yellowtail flounder stock for 2000. NEFSC Ref. Doc. 00-10.
183. Brown RW, JM Burnett, GA Begg & SX Cadrin 2000 Assessment of the Georges Bank Winter Flounder Stock, 1982-1997. NEFSC Ref. Doc. 00-16.
184. Walsh SJ & SX Cadrin 2000 Evaluating total allowable catch projections for yellowtail flounder (*Pleuronectes [Limanda] ferruginea*) on the Grand Bank using multiple indices and surplus production analysis. NAFO SCR Doc. 00/44.
185. Anderson ED, SX Cadrin, LC Hendrickson, JS Idoine, H-L Lai & JR Weinberg 1999 Northeast invertebrate fisheries. In: Our Living Oceans. NOAA Tech. Mem. NMFS-F/SPO-41: 109-116.
186. Cadrin SX 1999 A precautionary approach to fishery control rules based on surplus production modeling. NOAA Tech. Mem. NMFS-F/SPO-40: 17-22.
187. Cadrin SX 1999 Evaluating two assessment methods for *Pandalus borealis* stocks in the Northwest Atlantic. NAFO SCR Doc. 99/85.
188. Cadrin SX & EMC Hatfield 1999 Stock assessment of longfin inshore squid *Loligo pealeii*. NEFSC Ref. Doc. 99-12.
189. Cadrin SX, J King & LE Suslowicz 1999 Status of the Cape Cod yellowtail flounder stock for 1998. NEFSC Ref. Doc. 99-04.
190. Cadrin SX & SJ Walsh 1999 Surplus production analysis and potential precautionary reference points for Grand Bank yellowtail flounder (NAFO Div. 3LNO). NAFO SCR Res. Doc. 99/3.
191. Clark SH, SX Cadrin, D Schick, P Diodati, M Armstrong & D McCarron 1999 The Gulf of Maine northern shrimp fishery - a review of the record. NAFO SCR Res. Doc. 99/90.
192. Murawski SA, RW Brown, SX Cadrin, RK Mayo, L O'Brien, WJ Overholtz & KA Sosebee 1999 New England groundfish. In: Our Living Oceans. NOAA Tech. Mem. NMFS-F/SPO-41: 71-80.
193. O'Brien L & SX Cadrin 1999 Assessment of the Georges Bank Atlantic cod stock for 1998 NEFSC Ref. Doc. 99-03.
194. Walsh, SJ, SX Cadrin, D Rivard, RM Cook, J Casey & WB Brodie 1999 Parameter estimates of fishing mortality and biological reference points using research survey data: yellowtail flounder in NAFO Div 3LNO, a preliminary analysis. NAFO SCR Doc. 99/5.
195. Wigley SE, J Brodziak & SX Cadrin 1999 Assessment of the witch flounder stocks in subareas 5 and 6 for 1999. NEFSC Ref. Doc. 99-16.

196. Cadrin SX 1998 Longfin inshore squid. In Status of the Fishery Resources off the Northeastern United States for 1998, S.H. Clark, editor. NOAA Tech. Mem. NMFS-NE-115: 118-119.
197. Cadrin SX 1998 Northern shrimp. In Status of the Fishery Resources off the Northeastern United States for 1998, S.H. Clark, editor. NOAA Tech. Mem. NMFS-NE-115: 123-124.
198. Cadrin SX, WJ Overholtz, JD Neilson, S Gavaris & SE Wigley. 1998. Stock assessment of Georges Bank yellowtail flounder for 1997. NEFSC Ref. Doc. 98-06.
199. Cadrin SX, DF Schick, D McCarron, SH Clark, MP Armstrong, B Smith & JB O’Gorman 1998 Gulf of Maine northern shrimp stock assessment. NEFSC Ref. Doc. 98-07.
200. Cadrin SX & U Skúladóttir 1998 Surplus production analysis of shrimp in the Denmark Strait. NAFO SCR Res. Doc. 98/3.
201. Cadrin SX & U Skúladóttir 1998 Surplus production analysis of shrimp in the Denmark Strait, 1977-1998. NAFO SCR Res. Doc. 98/125.
202. Applegate A, S Cadrin, J Hoenig, C Moore, S Murawski & E Pikitch 1998 Evaluation of existing overfishing definitions and recommendations for new overfishing definitions to comply with the Sustainable Fisheries Act. NEFMC Report (s3.amazonaws.com/nefmc.org/Evaluation-of-Existing-Overfishing-Definitions.pdf).
203. Hatfield, E., S. Cadrin, and D. Mountain. 1998. Factors influencing the abundance of longfin inshore squid, *Loligo pealei*. ICES CM 1998/M:15.
204. Neilson JD & SX Cadrin 1998 Assessment of Georges Bank (5Zjmnh) yellowtail flounder. DFO Res. Doc. 98/67.
205. Overholtz W & S Cadrin 1998 Yellowtail flounder. In Status of the Fishery Resources off the Northeastern United States for 1998, S.H. Clark, editor. NOAA Tech. Mem. NMFS-NE-115: 70-74.
206. Cadrin SX 1997 Exploratory surplus production analysis of shrimp in the Denmark Strait. NAFO SCR WP 97/53.
207. Cadrin S & B Estrella 1996 Length-cohort analysis of U.S. American lobster stocks. NEFSC Ref. Doc. 96-15.
208. Cadrin S, A Howe, S Correia, G Shepherd, M Lambert, W Gabriel & D Grout 1996 An index based assessment of winter flounder *Pleuronectes americanus* populations in the Gulf of Maine. NEFSC Ref. Doc. 96-05a.
209. Cadrin S & R Mayo 1996 Predicting spawning stock biomass for Georges Bank and Gulf of Maine cod stocks with research vessel survey data. NEFSC Ref. Doc. 96-05a.
210. Shepherd G, S Cadrin, S Correia, W Gabriel, M Gibson, A Howe, P Howell, D Grout, N Lazar, M Lambert & W Ling 1996 Assessment of winter flounder in the southern New England and the Mid-Atlantic. NEFSC Ref. Doc. 96-05b.
211. Howe AB, TP Currier, SJ Correia & SX Cadrin 1996 Massachusetts Marine Fisheries Resource Assessment. USF&WS Proj. F-56-R, Segment 1 (Jan-Dec 1995).

212. Howe AB, TP Currier, SJ Correia & SX Cadrin 1995 Massachusetts Marine Fisheries Resource Assessment. USF&WS Proj. F-56-R, Segment 4 (Jan-Dec 1994).
213. Howe AB, TP Currier, SJ Correia & SX Cadrin 1994 Massachusetts Marine Fisheries Resource Assessment. USF&WS Proj. F-56-R, Segment 3 (Jan-Dec 1993).
214. Cadrin SX & BT Estrella 1993 Massachusetts coastal commercial lobster trap sampling program, May-November 1992. MADMF Pub. 17405.
215. Howe, AB, TP Currier, SJ Correia, SX Cadrin & DB Witherell 1993 Massachusetts Marine Fisheries Resource Assessment. USF&WS Proj. F-56-R Segment 2 (Jan-Dec 1992).
216. Estrella BT & SX Cadrin 1992 Massachusetts coastal commercial lobster trap sampling program, May-November 1991. MADMF Pub. 17180.
217. Estrella BT & SX Cadrin 1991 Massachusetts coastal commercial lobster trap sampling program, May-November 1990. MADMF Pub. 16943.
218. Estrella BT & SX Cadrin 1990 Massachusetts coastal commercial lobster trap sampling program, May-November 1989. MADMF Pub. 16397.
219. Estrella BT & SX Cadrin 1989 Massachusetts coastal commercial lobster trap sampling program, May-November 1988. MADMF Pub. 16024.

COURSES TAUGHT

- Stock Assessment of Fishery Resources SMAST MAR544 2006, 2007, 2008, 2009, 2012, 2013, 2015, 2016, 2018, 2020
- Stock Identification Methods SMAST MAR622 2006, 2008, 2010, 2014, 2016, 2018, 2020
- Fishery Management SMAST MAR527 2013, 2021
- Advanced Statistical Analysis SMAST MAR596 2008, 2016, 2017, 2021
- Field Methods for Fisheries Research SMAST MAR580 2017, 2018, 2019
- Stock Assessment Introduction ICES training program 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2017
- Advanced Population Modeling SMAST MAR599 2011, 2016, 2017
- Science Communication for Research Scientists SMAST MAR580 2017
- Advising Fishery Managers SMAST MAR580 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015
- Analysis of Tagging Data SMAST MAR549 2010
- Marine Resources Education Program, UNH-GMRI training course, 2002-2016
- Applications in Biological Statistics SMAST MAR599 2007
- Population Dynamics of Exploited Marine Resources, URI AFS592 2005
- Population Dynamics, SMAST MAR599 2003
- Fish Population Dynamics and Stock Assessment, Jackson State Univ. BIO492 2003-2004

SUPERVISED RESEARCHERS AND GRADUATE STUDENTS (with current positions)

Research Professors

1. Robert Griffin 2019-present, Fishery economics
2. Catherine O'Keefe 2014-2016, Bycatch avoidance and fishery monitoring (Principal Consultant, Fishery Applications Consulting Team)

Postdoctoral Researchers Supervised (and current position):

1. Lianne Allen-Jacobson 2021-present, Evaluating impact of offshore wind development on fisheries
2. Lauran Brewster 2022-present, Managing fisheries with multispecies portfolio
3. Gregory DeCelles, SMAST 2014-2017, Industry-based surveys and bycatch avoidance (Fisheries Science Specialist, Orsted.)
4. Janne Haugen, SMAST 2019-2021, Analysis of fishery data to evaluate impact of offshore wind energy developments (Fishery Research Biologist, NOAA Fisheries Ecosystem Management)
5. Lisa Kerr, SMAST 2008-2012, Atlantic cod and tuna stock structure and simulation (Senior Research Scientist, Gulf of Maine Research Institute)
6. Catherine O'Keefe 2013-2014, Bycatch avoidance and fishery monitoring (Principal Consultant, Fishery Applications Consulting Team)
7. Steven Searcy, SMAST 2006-2007, Groundfish study fleet and river herring stock composition (Assistant Professor, University of San Diego).
8. Anthony Wood, NOAA-NSF Fellow 2007-2009, Mark-recapture analysis of New England groundfish; SMAST 2009-2010 (Stock Assessment Scientist, Northeast Fisheries Science Center)
9. Doug Zemeckis, SMAST 2016-2017, cod spawning and groundfish discard mortality (Assistant Professor, Rutgers Univ.)
10. Yuying Zhang, SMAST 2009-2012, Sampling optimization of fisheries (Professor, Florida International Univ.)

PhD Students Supervised (7 current, 12 completed: ✓ – with post-graduate position in parentheses)

- ✓ Olanrewaju Alade, UMD Eastern Shore 2008 '*Movement and mortality of New England yellowtail flounder*'. NOAA Educational Partnership Program co-Advisor (stock assessment scientist, Northeast Fisheries Science Center).
- Cole Carrano, SMAST 2021-present, '*Alternative approaches to modeling survey indices in New England groundfish stock assessments*'
- ✓ Tobey Curtis, SMAST 2018, '*Seasonal distribution and migrations of basking sharks in the western Atlantic Ocean*' (Fishery Management Specialist, NMFS Atlantic Highly Migratory Species Management Division)
- ✓ Gregory DeCelles, SMAST 2013, '*Movements, spawning habitats and larval dispersal of winter flounder in the Gulf of Maine*' (stock assessment scientist, MA Marine Fisheries)
- Debra Duarte, SMAST 2017-present. '*Evaluating observer bias for monitoring fisheries*'
- Alison Frey, SMAST 2020-present '*Spawning dynamics of Atlantic cod in southern New England*'
- Ben Galuardi, SMAST 2012-present, '*Movement of highly migratory fishes*' (Statistician, NOAA Fisheries)
- Max Grezlik, SMAST 2020-present, '*Standardized Catch Rates of New England Groundfish*'
- ✓ Daniel Goethel, SMAST 2014, '*A tag-integrated and spatially explicit stock assessment model of yellowtail flounder*' (stock assessment scientist, Alaska Fisheries Science Center)
- ✓ Val Hall, SMAST 2014, '*Ecological significance of fall spawning in the Nantucket bay scallop*' (Research Associate, Maria Mitchell Association)
- ✓ Alex Hansell, SMAST 2020, '*Standardized catch rates for assessment of data-limited fisheries*' (stock assessment scientist, Northeast Fisheries Science Center)

- ✓ Janne Haugen, SMAST 2019 '*Assessment and Conservation of Porbeagles in the North Atlantic*' (Fishery Research Biologist, NOAA Fisheries)
- ✓ Fiona Hogan, SMAST 2012, '*Validated age of multiple species from the northeast skate complex*' (Research Director, Responsible Offshore Development Association)
- Emily Keiley, SMAST 2009-present '*Performance of New England Fisheries Management Systems*' (Policy Analyst, NOAA Fisheries)
- ✓ Brooke Lowman, SMAST 2016-present '*Application of fishery-dependent data in fishery assessment and management*' (stock assessment scientist, Virginia Marine Resources Commission)
- ✓ Sean Lucey, SMAST 2019, '*Evaluating ecosystem-based management strategies*' (Fishery Research Biologist, Northeast Fisheries Science Center)
- ✓ Marjorie Lyssikatos, SMAST 2016-present '*Diet of Gray Seals*' (Fishery Research Biologist, Northeast Fisheries Science Center)
- Owen Nichols, SMAST 2007-present, '*Environmental effects on intra-annual variability in squid distribution in Nantucket Sound*' (Director of Marine Fisheries Research, Center for Coastal Studies)
- ✓ Doug Zemeckis, 2016 '*Behavior and movement patterns of an inshore spawning group of Atlantic cod in the western Gulf of Maine*' (Assistant Professor, Rutgers University)

MS Students Supervised (3 current, 16 completed: √ – with post-graduate or current position):

- ✓ Crista Bank, SMAST 2016, '*Age validation of monkfish*' (Fisheries Liaison, Vineyard Wind)
- ✓ Adam Barkley, SMAST 2011, '*Discard mortality estimation of yellowtail flounder using reflex predictors*' (Statistician, Blue Cross Blue Shield)
- ✓ Cassie Canastra, SMAST PSM 2020, '*Market analysis of yellowtail flounder*' (Marketing Director, New Bedford Fish Auction)
- ✓ Peter Chase, SMAST 2010, '*Morphometric stock identification of scup*' (Survey Branch Chief, Northeast Fisheries Science Center)
- Fiona Edwards, SMAST 2021-present '*Evaluating multispecies portfolio management for New England groundfish*'
- ✓ Nikohl Jacobson, SMAST 2009, '*Mixed-species yield projections of New England groundfish*' (Research Assistant, UMass Dept. Fisheries Oceanography)
- ✓ Alicia Long (Miller), SMAST 2009, '*Affects of shell disease on fecundity of American lobster*' (Fishery Research Biologist, Northeast Fisheries Science Center)
- ✓ Jessica Melgey, SMAST 2010, '*A Petersen tagging experiment to estimate population size of yellowtail flounder in a closed area on Georges Bank*' (Fishery Analyst, Normandeau Associates)
- ✓ Molly Morse, SMAST 2018, '*Modeling mixed Bluefin tuna stocks*' (Project Scientist, UC Santa Barbara Benioff Ocean Initiative)
- ✓ Adrienne Pappal, SMAST 2006 '*Habitat preferences of juvenile winter*' co-Advisor (Coastal Habitat and Water Quality Manager, MA Coastal Zone Management).
- ✓ Lucía Rueda, SMAST 2009, '*Environmental factors of loggerhead turtle distribution*' Fulbright Scholar (Research Scientist, Spanish Institute of Oceanography)
- ✓ Tiffany Vidal, SMAST 2009, '*Tilefish growth and maturity*' (Senior Fisheries Scientist, Pacific Community)
- ✓ Laurel Col, SMAST 2009 '*Marine mammal consumption on the northeast US continental shelf*' (Fishery Research Biologist, Northeast Fisheries Science Center)
- ✓ Jon Loehrke, SMAST 2006, '*Movement patterns of Atlantic cod*' (statistician, Fidelity Investments)

- Dave Martins, SMAST 2007-present '*Movement patterns of Atlantic cod from areas closed to fishing*'
- ✓ Sally Roman, SMAST, 2012, '*Modified Trawl Groundgear to Reduce the Catch Juvenile American Plaice*' (Research Technician, Virginia Institute of Marine Science)
- Scott Schaffer, SMAST 2022-present, '*Environmental effects in New England groundfish stock assessments*'
- ✓ Stephanie Thompson, SMAST 2017, '*Impacts of the cape wind project on the fluke and squid trawl fishery in Nantucket Sound*'
- ✓ Brooke Wright, SMAST 2015 '*Factors of yellowtail flounder bycatch in the New England scallop fishery*' (stock assessment scientist, Virginia Marine Resources Commission)

Graduate Committee Member, Examiner or Reviewer for graduated students

Graduated PhD Students

1. Hughues Benoit, Dalhousie University, 2018 '*Analysis of mortality in marine fish populations*'
2. David Bethoney, SMAST 2013, '*Bycatch of river herring in mid-water trawl fisheries*'
3. Jason Boucher, SMAST 2013 '*Interannual variability in larval retention and survival of haddock*'
4. Steve Eayrs, Univ. New Hampshire 2016 '*Managing change in fisheries*'
5. Sherri Eldridge, UMass Dartmouth 2018 '*Somatosensory reception in the skin of humpback whales*'
6. Micah Dean, Northeastern University 2021, '*Heterogeneity in Gulf of Maine cod*'
7. Jana del Favero, Univ. São Paulo 2016 '*Engraulis anchoita eggs and larvae in the Brazilian Bight*'
8. Helena Geremont, Univ. Capetown 2014 '*Fisheries management with few data: a management procedure*'
9. Mark Henderson, Virginia Institute of Marine Science 2012, '*Movement & mortality of summer flounder*'
10. Samuel Johnson, Simon Fraser University 2021, '*Stock assessment of data-limited, multi-species fisheries*'
11. Lisa Kerr, University of Maryland 2008, '*Spatial structure of white perch in the Chesapeake Bay*'
12. Brendon Lee, Rhodes University 2022, '*Stock structure of Patagonian toothfish*'
13. Chang Liu, SMAST 2019, '*Geolocation methods for demersal fish species using archival tagging data*'
14. Stephen Midway, University of North Carolina 2013, '*Population ecology of southern flounder*'
15. Catherine O'Keefe, SMAST 2013, '*Bycatch avoidance of yellowtail flounder in the sea scallop fishery*'
16. Michael Pol, SMAST 2017, '*Establishing a sustainable Acadian redfish trawl fishery in the Gulf of Maine*'
17. Judith Rosellon Drucker, SMAST 2016 '*Echinoderm populations on Georges Bank*'
18. Daniel Ricard, Dalhousie University 2012, '*Ecology of heavily exploited fish populations*'
19. Camillo Saavedra, Universida de Vigo 2017, '*Multispecies modelling of dolphins and European hake*'
20. Joseph Smith, UMass Amherst 2011, '*Connectivity of stream fish populations*'
21. Laura Solinger, University of Southern Mississippi, '*Evaluating management control rules*'
22. Michelle Staudinger, UMass Amherst 2010, '*Predation of cephalopods*'
23. Robert Wildermuth, SMAST 2021, '*Integrated Ecosystem Assessment under model structural uncertainty*'
24. Margot Wilsterman, SMAST 2020 '*Swimming and reaction of windowpane flounder to reduce bycatch*'

Graduated MS Students

1. Katie Anderson, UMass Amherst 2011, '*Spawning and sound production of haddock*'
2. Michelle Bachman, SMAST 2009, '*Determinants of yellowtail flounder bycatch in the scallop fishery*'
3. Nick Callabrese, SMAST 2018 '*Video trawl survey of cod in the Gulf of Maine*'
4. Kyle Cassidy, SMAST 2018 '*Decline of American lobster in Buzzards Bay, MA*'
5. Glenn Chamberlain, SMAST 2010, '*Photogrammetric system for sampling catches on otter trawl vessels*'
6. Brent Courchene, SMAST 2008, '*Ventless trap survey of American lobster*'
7. William Duffy, UMass Dartmouth Biology 2010, '*Age determination of American shad*'

8. Travis Lowery, SMAST 2018 '*Evaluation of a video trawl survey method*'
9. Michael Marino, SMAST 2007, '*Predation of sea scallops by sea stars*'
10. Peter Milligan, SMAST 2009, '*Larval dynamics of American lobster in Buzzards Bay Massachusetts*'
11. Mary Radlinski, SMAST 2009, '*Spatial distribution and thermal habitat of Atlantic mackerel*'
12. Sarah Pautzke, UMass Amherst 2008, '*Movement of striped bass in Plum Island Sound*'
13. Patricia Perez, SMAST 2022, '*Ecological factors influencing Georges Bank yellowtail flounder*'
14. Derek Perry, UMass Dartmouth Biology 2013, '*Feeding ecology of smooth dogfish in Buzzards Bay*'
15. Christopher Sarro, SMAST 2008, '*Shell height-meat weight relationships for Atlantic sea scallops*'
16. Liberty Schilpp, SMAST 2018 '*Size-at-age and implications for modeling natural mortality*'
17. Erin Snook, UMass Amherst 2013, '*Movement patterns of brook trout in a restored stream*'
18. Ashley Weston, SMAST 2018 '*Environmental effects on flatfish stock assessments*'
19. Steven Wilcox, UMass Dartmouth Biology 2012, '*Sexual maturity of the channeled whelk*'

PROFESSIONAL AND ADVISORY ACTIVITIES

- Hundreds of manuscripts reviewed for journal publication: Fisheries Research (2018 'outstanding reviewer' for top 10%ile of number of manuscripts reviewed in the last two years), ICES J Marine Science, Canadian J Fisheries & Aquatic Sci, Trans Am Fisheries Soc, N American J Fishery Management, Fisheries, Fishery Bull, Ecological Applications, Marine Ecology Progress Ser, Royal Society Proc B, Fisheries Oceanography, Marine Biology, Fish & Fisheries, Estuarine Coastal & Shelf Science, ...
- Scientific Editing
 - Editor
 - Fisheries Research, 2019-2021
 - ICES Journal of Marine Science, 2014-2016
 - Guest Editor
 - Marine Policy (2022) special issue on Sustainable Fishing Standards
 - Fisheries Research (2018-2020) special issue on Spatial Stock Assessment Models,
 - ICES Journal of Marine Science (2011-2012) special issue on Variability of the North Atlantic and its Marine Ecosystems during 2000–2009
 - Fisheries Research (2011-2012) special issue on Reconciling Spatial Scales and Stock Structures
 - Fisheries Research (2010-2012) special issue on Biology, Harvesting, Management and Conservation of Hakes
- Center for the Advancement of Population Assessment Methodology (CAPAM) Advisory Panel, 2013-present
- Responsible Offshore Science Alliance, Fisheries Monitoring Working Group, 2020-present
- Millstone Power Station Ecological Advisory Committee, 2017-present
- Saving Seafood Advisory Board, 2015-present
- U.S. Congressional Rep. Keating's Federal Fisheries Advisory Panel, 2012 to present
- Massachusetts Ocean Plan, Fisheries Working Group 2013-present.
- International Flatfish Symposium, Local Organizing Committee, 2018-2021
- Northeast Regional Stock Assessment Workshop (SAW) Woods Hole MA
 - Yellowtail Flounder Research Track Assessment Working Group, 2022-2023
 - Atlantic Cod Research Track Assessment Working Group, 2021-2023

- Chair, American Plaice Research Track Assessment Working Group, 2021-2022
- Haddock Research Track Stock Assessment Working Group, 2020-2022
- Atlantic Cod Stock Structure Working Group, 2018-2020; Tagging sub-group lead
- Red Hake Stock Structure Working Group, 2019-2020
- Groundfish Operational Update Assessments Review Panel, 2019
- SAW63 Northeast Regional Stock Assessment Workshop, Black Sea Bass Working Group 2016
- 2016 Monkfish Operational Assessment Working Group
- Chair of Operational Assessment of 20 New England groundfish stocks, 2015
- Review panel chair for operational update assessments of winter flounder and pollock, 2014
- Chair, SAW50 Northern Demersal Working Group, 2010
- SAW38 Stock Assessment Review Committee, 2003
- SAW35 Stock Assessment Review Committee, 2002
- SAW33 Stock Assessment Review Committee, 2001
- SAW23 Stock Assessment Review Committee, 1996
- SAW21 Stock Assessment Review Committee, 1995
- Southern Demersal Working Group, 1995-2010
- SAW19 Stock Assessment Review Committee, 1994
- Northern Demersal Working Group, 1993-1996
- Invertebrate Working Group, 1992-2010
- Coastal/Pelagic Working Group, 1996-2010
- International Council for the Exploration of the Sea (ICES)
 - Stock Identification Methods Working Group, 2004-present, chair 2000-2007
 - Training Group, 2009-present, chair 2010-2016
 - Working Group on Offshore Wind Development and Fisheries, 2020-present
 - Workshop on Stock Identification of West of Scotland Cod, 2021
 - Chair, Workshop on North Sea Cod Stock Identification, 2020
 - Benchmark Workshop on North Sea Stocks, 2020-2021
 - Workshop on Graduate/Post Graduate Education Strategy to Meet Future ICES Advisory Needs, 2020
 - Co-Chair, Review Group for Arctic Fisheries, 2018
 - Co-Convener, Annual Science Conference open session on 'Strategic Initiative on Stock Assessment Methods' (Copenhagen Denmark, September 2017)
 - Co-Chair, Review Group for Celtic Sea stocks, 2017
 - Science Committee, 2008-2016
 - Co-Chair, Strategic Initiative on Stock Assessment Methods, 2010-2016.
 - Co-Chair, Review Group for Northwestern stocks, 2016
 - External Reviewer, Fifth Workshop on Quantitative Assessment Methodologies (Lisbon Portugal, 2015)
 - Co-Convener, Annual Science Conference theme session on 'Advancement of stock assessment methods for sustainable fisheries' (Copenhagen Denmark, September 2015)
 - Co-Chair, Review Group for North Sea and Skagerrak stocks, 2015
 - Chair, ICES Benchmark Workshop on West of Scotland herring (Dublin, Ireland, December 2014)
 - Co-Convener, Annual Science Conference open session on 'Advancement of Stock Assessment Methods to Support Sustainable Fisheries' (A Caruña Spain, September 2014)

- Co-Chair, Review Group for the Bay of Biscay and Iberic Waters stocks, 2014
- Co-Convener, the World Conference on Stock Assessment Methods for Sustainable Fisheries (Boston MA, July 2013)
- Steering Committee, ICES/NAFO Symposium on Rebuilding Gadoid Fisheries (St. Andrews New Brunswick, October 2013)
- Co-Chair, Review Group for Arctic and Northwestern Atlantic stocks, 2013
- Co-Chair, Working Group on the Northwest Atlantic Regional Sea, 2009-2012
- Co-Chair, Review Group for Celtic Sea stocks, 2012
- Workshop on Benchmarking Integrated Ecosystem Assessments, co-chair (Halifax Nova Scotia, February 2011)
- Co-Chair, Review Group for Arctic and Northwestern Atlantic stocks, 2011
- Chair, Review Group and advice drafting group for North Sea stocks, 2010
- Chair, Workshop on Redfish Stock Structure (Copenhagen Denmark, January 2009)
- External Reviewer in ACOM Review Group for deep-sea and elasmobranch fisheries, 2008
- Convener, Annual Science Conference theme session on Stock Identification Applications (Helsinki Finland, September 2007)
- External reviewer, Review Group for pelagic redfish stock identity and surveys (Copenhagen Denmark, May 2007)
- External Reviewer, Review Group for North Sea stock assessments (Copenhagen Denmark, May 2007)
- External Reviewer, Review Group for mackerel, horse mackerel, sardine and anchovy stock assessments (Copenhagen Denmark, May 2006)
- Chair, Northwest Atlantic Stocks Review Group (Copenhagen Denmark, May 2005)
- Study Group on Stock Identification Protocols for Finfish and Shellfish Stocks, 1997-2004
- Convener, Annual Science Conference theme session on Stock Identification Methods (Vigo Spain, September 2004)
- Chair, North Sea Demersal Stocks Sub-Group, (Copenhagen Denmark, May 2003)
- Chair, Herring Sub-Group, 2001-2002
- Chair, Northwestern Atlantic Stocks Sub-Group (Copenhagen Denmark, May 2000)
- Advisory Committee on Fisheries Management, 1998-2005
- International Commission for the Conservation of Atlantic Tunas (ICCAT) US Delegate
 - Eastern Atlantic and Mediterranean Bluefin Tuna Data Preparatory Meeting, April 2022
 - Eastern Atlantic and Mediterranean Bluefin Tuna Stock Assessment Meeting, July 2022
 - Bluefin Tuna Intersessional meeting, September 2021
 - Bluefin Tuna Assessment meeting August-September 2021
 - Bluefin Tuna Species Group, April 2021
 - Technical Subgroup on Eastern Bluefin Tuna Models, 2021-2022
 - Technical Subgroup on Western Bluefin Tuna Indices of Abundance, 2020-2021
 - Bluefin Tuna Species Group, July 2020
 - Bluefin Tuna Species Group, May 2020
 - Bluefin Tuna MSE Technical Group (St. Andrews New Brunswick, July 2019)
 - Bluefin Tuna Species Group (Madrid Spain, February 2019)
 - Atlantic Bluefin Tuna Stock Assessment (Madrid Spain, July 2017)
 - US Advisory Committee (Ft. Lauderdale FL, March 2017)

- Atlantic Bluefin Tuna Stock Assessment Session (Madrid Spain, September 2014)
- Meeting on Bluefin Stock Assessment Methods (Gloucester MA, July 2013)
- Working Group of Fisheries Managers and Scientists in support of the W-BFT stock assessment (Montreal Canada, June 2013)
- Bluefin Stock Assessment Meeting (Madrid Spain, September 2012)
- Northwest Atlantic Fisheries Organization (NAFO)
 - Precautionary Approach Working Group, co-chair, 2021-2023
 - Symposium on “Hydrobiological and Ecosystem Variability 2000-2009”, co-chair (Santander Spain, May 2011)
 - Working Group on the Precautionary Approach to Fisheries Management, 2003
 - Scientific Council 1999-2000
 - Working Group on Precautionary Approach, 1999
 - NAFO/ICES *Pandalus* Assessment Group, 1997-1999
- New England Fishery Management Council
 - Cod Stock Structure Planning Team, 2020-2021
 - Chair, Fishery Dependent Data for Stock Assessment Working Group, 2018-2019
 - Scientific and Statistical Committee, 2008 to 2017, chair 2009 to 2011
 - Overfishing Definition Review Panel, 1997-1998
- Southeast Data and Assessment Review
 - SEDAR 74 Gulf of Mexico Red Snapper Stock Identification Working Group, 2020-2021
 - SEDAR 68 Gulf of Mexico and Atlantic Scamp Stock Identification Working Group, 2019-2020
 - SEDAR 41 Red Snapper and Gray Triggerfish Review Workshop, 2016
 - Chair, SEDAR 32 Blueline Tilefish and Gulf of Mexico Menhaden Review Workshop, 2013
 - SEDAR 28 Cobia and Spanish Mackerel Review Workshop, 2012
 - SEDAR 25 Sea Bass and Golden Tilefish Review Workshop, 2011
- Atlantic States Marine Fisheries Commission
 - Peer Review Panel for the weakfish stock assessment, 2006
 - Northern Shrimp Technical Advisory Committee, 1996-2000
 - Atlantic Herring Technical Advisory Committee, 1996
 - Atlantic Menhaden Technical Committee, 1993-1996
- United Nations Food & Agriculture Organization:
 - External Reviewer for the Working Group on Stock Assessment of Demersal Species, Benchmark session for the assessment of European hake (Rome Italy, December 2019)
 - Technical Editor for “A third assessment of global marine fisheries discards” (2018)
 - Stock Assessment Consultant for the Eastern Central Atlantic Fishery Committee Scientific Sub-Committee (2017)
 - Stock Assessment Consultant for the Working Group on the Assessment of Small Pelagic Fish off Northwest Africa (Casablanca Morocco, July 2015)
 - External Reviewer for the Working Group on the Assessment of Small Pelagic Fish off Northwest Africa (Rome Italy, June 2015)
- American Fisheries Society, Convened Symposia
 - ‘Making Waves: Political Intervention in the Fisheries Science and Management Process’ (Atlantic City NJ, August 2018)
 - ‘Balancing Conservation and Utilization to Sustain Fisheries’ (Portland OR, August 2015)

- 'Are We Still Fishing Down the Food Web?' (Quebec City Canada, August 2014)
- 'Comparing and Contrasting Fisheries Research and Management Paradigms Across Marine and Freshwater Ecosystems' (St. Paul MN, August 2012)
- 'Evolutionary Ecology, Plasticity, and Adaptability of Fish Life Histories' (Seattle WA, August 2011)
- 'Incorporating Environmental Factors in Stock Assessments' (Nashville TN, August 2009)
- 'Monitoring and Managing Rapidly Recovering Fish Stocks' (Lake Placid NY, August 2006)
- Massachusetts Marine Fisheries Institute, Workshop Convener (New Bedford MA)
 - Incorporating Environmental Variation in Stock Assessments (May 2013)
 - Reference Points and Uncertainty Buffers (November 2013)
 - Fishery Monitoring and Survey Selectivity (February 2014)
- Transboundary Resources Assessment Committee (TRAC), 1998-2005, 2010, 2012-2014, 2017, 2020
- Convener, Workshop on Atlantic Bluefin Tuna Management Strategy Evaluation (New Bedford MA, April 2019)
- Gulf of Maine Research Institute, Scientific Advisory Committee (2011-2019, chair 2011-2017), Board of Directors (2011-2016)
- Inter-American Tropical Tuna Commission, External Review of Bigeye Tuna Stock Assessment, 2018
- South Atlantic Fishery Management Council, Science and Statistical Committee, 2010-2016
- Center for Sustainable Fisheries, Board of Directors 2013-2015, Executive Committee 2015, Senior Fellow
- Convener, AIFRB Symposium on 'The Relative Importance of Fishing and the Environment in the Regulation of Fish Population Abundance' (New Bedford MA, June 2012)
- Mid Atlantic Fishery Management Council, Annual Catch Limit Team, 2009 to 2011
- Northeast Fisheries Science Center, Annual Catch Limit Working Group, 2009 to 2011
- Peer Reviewer for Wageningen University Institute for Marine Resources and Ecosystem Studies, 2009
- Joint National Stock Assessment Workshop and National Economic and Social Sciences Workshop - Session Convener for Integrated Bioeconomic Modeling 2008
- Evaluation of Gulf of St. Lawrence shrimp fishery for certification by Marine Stewardship Council 2008
- Industry-Based Survey Design Subcommittee Chair 2004
- National Marine Fisheries Service, National Standard 1 Working Group, 2003
- Northeast Fisheries Science Center, Seminar Committee, 2003-2010, chair 2004-2005
- National Research Council Fellowship Advisor, October 2003-2010
- National Marine Fisheries Service, Northeast Regional Bycatch Assessment Team, April 2003-2010
- Groundfish Distribution and Stock Structure Workshop, Co-convener, Canada-USA Scientific Discussions, 2001
- Chesapeake Bay Commission Blue Crab Advisory Committee, 2000
- Northeast Fisheries Science Center, Research Council, 1998-2010
- 53rd Annual Northeast Fish & Wildlife Conference, Marine Program co-chair, 1997
- Massachusetts Division of Marine Fisheries, Technical Advisory Committee, 1993-1996; Chairman 1996

GRANTS AND CONTRACTS (over \$15M in grants since 2005)**last five years**

Title	Funding Source	Award	Year	role
Portfolio Management of Living Marine Resources	Pew	\$ 338,935	2021	PI
Groundfish Surveys and Assessments	NOAA CINAR	\$ 142,148	2021	PI
Fishery impacts of offshore wind development	NOAA CINAR	\$ 115,830	2021	co-PI
CINAR-SMAST Postdoctoral Fellows	NOAA CINAR	\$ 112,709	2021	co-PI
Graduate Education Program	MAMDF	\$ 50,000	2021	PI
Graduate Education Program	MFI	\$ 50,000	2021	PI
Resolving Scale of Cod Fishery Management	NOAA SK	\$ 40,240	2021	co-PI
Evaluating Performance Atlantic Cod Management	NOAA CINAR	\$ 40,240	2021	co-PI
Marine Science Internship	NOAA Sea Grant	\$ 6,000	2021	PI
Analysis of New England Groundfish Catch Rates	NOAA CINAR	\$ 385,573	2020	PI
Impacts of Offshore Wind Energy using Fishery Data	NOAA CINAR	\$ 112,709	2020	PI
Graduate Education Program	MFI	\$ 50,000	2020	PI
Multispecies Modeling in Fisheries Evaluation Workshop	NOAA CINAR	\$ 29,562	2020	PI
Climate Effects on New England Groundfish	MAMDF	\$ 15,900	2020	PI
Alternative Harvest Control Rules for New England Groundfish	NEFMC	\$ 12,128	2020	Co-PI
Estimating Growth and Movement of Monkfish	Monkfish RSA	\$ 270,000	2019	PI
Stakeholder Engagement in Management Strategy Evaluation	NOAA BTRP	\$ 141,143	2019	PI
Distribution of Atlantic Cod Spawning Aggregations on Cox Ledge	NOAA CINAR	\$ 104,555	2019	PI
Vineyard Wind Monitoring Plan	VW	\$ 50,021	2019	PI
Graduate Education Program	MFI	\$ 50,000	2019	PI
Analysis of Groundfish Electronic Monitoring Data	NFWF	\$ 49,500	2019	PI
Robust Management Strategies for Northeast Groundfish	NOAA-COCA	\$ 43,335	2019	Co-PI
Ecosystem-Based Management Research Assistant	NOAA-CINAR	\$ 38,610	2019	PI
Choke Species in a Changing Climate	NOAA SK	\$ 21,582	2019	PI
Western Bluefin Tuna Indices of Abundance and Ocean Climate	NOAA BTRP	\$ 12,133	2019	PI
Investigating Population Structure of Cod	Canada DFO	\$ 3,378	2019	PI
Investigating the Stock Structure of Halibut	NOAA SK	\$ 85,362	2018	PI
Graduate Education Program	MFI	\$ 50,000	2018	PI
Electronic Monitoring of Groundfish Vessels	NFWF/CCCFA	\$ 40,000	2018	PI
Evaluating Management Procedures of Mixed Bluefin Tuna Stocks	NOAA BTRP	\$ 142,425	2017	PI
Factors Affecting Scallop Catch Rates	Scallop RSA	\$ 87,500	2017	PI