

STEVEN X. CADRIN, PhD

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EDUCATION

Ph.D. 2003, University of Rhode Island, Kingston RI; Fisheries Science,
Dissertation: *Stock Structure of Yellowtail Flounder off the Northeastern United States.*
M.S. 1995, University of Massachusetts, Dartmouth MA; Marine Biology,
Thesis: *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), Interim Chair (fall 2025)
- Massachusetts Fisheries Institute Co-Director (2020-2023), Education Director (2016-present)

Associate Professor, University of Massachusetts Dartmouth, Department of Fisheries Oceanography (2010 to 2016), Fairhaven MA.

- Marine Sciences Graduate Program Director (2014-2016)
- Massachusetts Fisheries Institute Education Director (2010-2016)

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

Research Fisheries Biologist (1996 to 2005), Population Dynamics Branch, NOAA 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, Alaska and Northeast Regions.

AFFILIATE APPOINTMENTS

- Adjunct Professor, University of Maine, 2023-present
- Associate Graduate Faculty, University of Southern Mississippi, 2018-present
- Adjunct Professor, University of Maryland, 2004-2007

AWARDS

2025 University of Massachusetts Dartmouth Leading Minds in Science Award for Top 2% of Scientists

2024 University of Massachusetts Dartmouth Leading Minds in Science Award for Top 2% of Scientists

2024 UMassD-MAX (Most Active in X) award for most active in research proposal submissions, publications, and student advising.

2023 Northeast Fisheries Science Center Collaboration Award for the Atlantic Cod Stock Structure

2021 University of Massachusetts Dartmouth, Scholar of the Year

2021 American Fisheries Society, Oscar E. Sette Award for Outstanding Marine Fishery Biologist

2020 International Council for the Exploration of the Seas (ICES) Service Award

2019 American Fisheries Society Southern New England Chapter Award of Excellence

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 American Fisheries Society Southern New England Chapter Award of Excellence from the
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 at Annual Science Conference
2003 US Department of Commerce Bronze Medal Award for New England groundfish science
1998 US Department of Commerce Special Service Award for the Overfishing Definition Review Panel
1995 MA Fisheries, Wildlife, and Environmental Law Enforcement "Pride in Performance" Award

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. Considering Complex Connectivity in a Changing Ocean for Sustainable Fisheries, North Pacific Marine Science Organization (PICES; Nanaimo, BC; October 26-29, 2026)
2. Environmental Information in Stock Assessments of New England Groundfish, Canada Department of Fisheries & Oceans Workshop on Incorporating Ecosystem Information into Single-Species Stock Assessment Models (St. Johns, Newfoundland; November 24-26, 2025)
3. Voluntary Fishery Standards for Conserving Biodiversity. [United Nations Forum on Sustainability Standards](#) (January 8, 2025).
4. Overview of Biological Reference Points. Workshop Exploring Best Practice for Reference Points for Sessile Benthic Fisheries (Isle of Man, UK; April 22 2024)
5. Best practices for defining spatial boundaries and structure for stock assessment. Center for the Advancement of Population Assessment Methodology, UN Food & Agriculture Organization [Workshop on Stock Assessment Good Practices](#) (Rome, Italy; October 24-28, 2022)
6. Optimal Spatial Boundaries and Strata for Stock Assessment... and confronting practical realities. NOAA Fisheries [National Stock Assessment Seminar](#) on (May 6, 2021)
7. Defining Spatial Structure. Center for the Advancement of Population Assessment Methodology, [Workshop on Spatial Stock Assessment Models](#) (La Jolla, CA; October 1-5 2018)
8. 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)
9. Optimal Yield from Mixed-Stock Fisheries. University of Washington Bevan Symposium on Sustainable Fisheries (Seattle, WA; April 24-25, 2014).
10. Sustainable Fisheries. IDEAS Boston (Boston, MA; October 30, 2013)
11. 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

- Massachusetts Legislature, Joint Committee on Economic Development & Emerging Technologies, hearing on Massachusetts Competitiveness in Research, Discovery and Innovation (October 30, 2025)

- Open Letter to the 116th U.S. Congress from 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 (December 10, 2020)
- U.S. House of Representatives, Committee on Natural Resources, Subcommittee on Fisheries, Wildlife, Oceans, and Insular Affairs, oversight hearing on NOAA's Fishery Science (Washington, DC; July 26, 2011).
- U.S. Senate, Committee on Commerce, Science, and Transportation, Field Hearing on Massachusetts Fishery Management Plans (Boston, MA; October 3, 2011).

TEACHING

- University of Massachusetts, School for Marine Science and Technology (SMAST)
 - Stock Assessment of Fishery Resources MAR544 2006, 2007, 2008, 2009, 2012, 2013, 2015, 2016, 2018, 2020, 2023, 2024
 - Fishery Management MAR527 2013, 2021, 2022, 2023, 2025
 - Stock Identification Methods MAR543 2006, 2008, 2010, 2014, 2016, 2018, 2020, 2023, 2025
 - Offshore Wind Energy and Fisheries MAR622 2022, 2024
 - Advanced Statistical Analysis MAR596 2008, 2016, 2017, 2021
 - Field Methods for Fisheries Research MAR580 2017, 2018, 2019
 - Advanced Population Modeling MAR599 2011, 2016, 2017
 - Science Communication for Research Scientists MAR580 2017
 - Advising Fishery Managers MAR580 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015
 - Analysis of Tagging Data MAR549 2010
 - Applications in Biological Statistics MAR599 2007
 - Population Dynamics, MAR599 2003
- Other Universities
 - Population Dynamics of Exploited Marine Resources, University of Rhode Island AFS592 2005
 - Fish Population Dynamics and Stock Assessment, Jackson State University BIO492 2003-2004
- Training Programs
 - Marine Resources Education Program, Population Biology, Sampling, Surveys, Stock Assessment, Reference Points, Uncertainty, 2006, 2008-2016, 2024
 - International Council for the Exploration of the Sea Training Program, Stock Assessment Introduction, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2017

ACADEMIC SUPERVISION

Research Professors (and current position)

1. Luran Brewster 2023-2024, Quantitative fisheries science (Assistant Professor, SMAST)
2. Robert Griffin 2019-2023, Fishery economics (Research Economist, EPA)
3. Catherine O'Keefe 2014-2016, Bycatch avoidance and fishery monitoring (Executive Director, New England Fishery Management Council)

Postdoctoral Researchers Supervised (and current position):

1. Lianne Allen-Jacobson 2021-2022 Evaluating impact of offshore wind development on fisheries (Principal Scientist, Inspire Environmental)
2. Luran Brewster 2022-2023 Managing multispecies fisheries portfolios (Assistant Professor, SMAST)

3. Gregory DeCelles 2014-2017 Industry-based surveys and bycatch avoidance (Lead Strategic Specialist, Orsted)
4. Janne Haugen 2019-2021 Impact of offshore wind farms (Fishery Research Biologist, NMFS)
5. Lisa Kerr 2008-2012 Stock structure and simulation (Associate Professor, University of Maine)
6. Meghna Marjadi 2023-present Impact of offshore wind farms
7. Catherine O'Keefe 2013-2014 Bycatch avoidance and fishery monitoring (Executive Director, New England Fishery Management Council)
8. Steven Searcy 2006-2007 Groundfish study fleet and river herring stock composition (Assistant Professor, University of San Diego).
9. Anthony Wood 2007-2010 Mark-recapture analysis (Stock Assessment Scientist, NMFS)
10. Doug Zemeckis 2016-2017 cod spawning behavior and groundfish discard mortality (Associate Professor, Rutgers University)
11. Yuying Zhang 2009-2012 Sampling optimization of fisheries (Associate Professor, Florida International University)

PhD Students Supervised (4 current, 14 completed: ✓ – with post-graduate position in parentheses)

- ✓ Cole Carrano 2024 '*Modeling index selectivity for fishery stock assessments*' (Postdoctoral Researcher, University of Maine)
- ✓ Tobey Curtis 2018 '*Seasonal distribution of basking sharks*' (Fishery Management Specialist, NMFS)
- ✓ Gregory DeCelles 2013 '*Spawning habitats of winter flounder*' (Lead Strategic Specialist, Orsted)
- Debra Duarte 2017-present '*Evaluating observer bias for monitoring fisheries*' (Data Information Systems Branch Chief, Northeast Fisheries Science Center)
- Alison Frey 2020-present '*Spawning dynamics of Atlantic cod in southern New England*'
- ✓ Ben Galuardi 2025 '*Movement of highly migratory fishes*' (Statistician, NMFS)
- Max Grezlik 2020-present '*Multispecies interactions in New England groundfish fisheries*' (Fisheries Data Analyst, NMFS)
- ✓ Daniel Goethel '*T-integrated stock assessment model of yellowtail flounder*' (Stock Assessment Scientist, NMFS Alaska Fisheries Science Center)
- ✓ Val Hall '*Ecological significance of fall spawning in the Nantucket bay scallop*' (Research Associate, Maria Mitchell Association)
- ✓ Alex Hansell 2020 '*Standardized catch rates for assessment*' (Stock Assessment Scientist, NMFS)
- ✓ Janne Haugen 2019 '*Assessment and conservation of porbeagles*' (Fishery Research Biologist, NMFS)
- ✓ Fiona Hogan 2012 '*Validated age of skate species*' (Research Director, Responsible Offshore Development Association)
- ✓ Jessica Kittel 2025 '*Environmental effects on yellowtail flounder*' (Research Scientist, Blue World Research Institute)
- ✓ Brooke Lowman 2021 '*Fishery-dependent data for stock assessment and management*' (Stock Assessment Scientist, Virginia Marine Resources Commission)
- ✓ Sean Lucey 2019 '*Ecosystem-based management strategies*' (Director of Fisheries Services, Orchard LLC)
- Marjorie Lyssikatos 2016-present '*Diet of gray seals*' (Fishery Research Biologist, NMFS)
- ✓ Alanna Mnich 2024 '*Isotopes in Atlantic bluefin tuna*' (post-doctoral fellow, SMAST)
- ✓ Doug Zemeckis 2016 '*Behavior of an Atlantic cod spawning group*' (Associate Professor, Rutgers Univ.)

Masters Students Supervised (3 current, 21 completed: ✓ – with post-graduate or current position):

- ✓ Crista Bank 2016 '*Age validation of monkfish*' (Fisheries Manager, Vineyard Wind)
- ✓ Adam Barkley 2011 '*Discard mortality of yellowtail flounder*' (Risk Manager, Blue Cross Blue Shield)
- Alexis Baumgartner 2025-present '*Assessment and management of whelk*'
- ✓ Cassie Canastra PSM 2020 '*Markets of yellowtail flounder*' (Director of Operations, New Bedford Buyers and Sellers Fish Auction)
- ✓ Peter Chase 2010 '*Morphometric stock identification of scup*' (Ecosystem Survey Branch Chief, Northeast Fisheries Science Center)
- ✓ Laurel (Smith) Col 2009 '*Marine mammal consumption*' (Fishery Research Biologist, NMFS)
- ✓ Fiona Edwards 2025 '*Multispecies portfolio management for New England groundfish*' (Paraprofessional, Nauset Public Schools)
- ✓ Keri-Anne Goncalves 2025 '*Co-occurrence of Atlantic white sharks*' (Technician, MA Marine Fisheries)
- ✓ Nikohl Jacobson 2009 '*Mixed-species yield projections of groundfish*' (Research Assistant, SMAST)
- ✓ Jon Loehrke 2006 '*Movement patterns of Atlantic cod*' (Analyst, Fidelity Investments)
- ✓ Brooke (Wright) Lowman 2015 '*Yellowtail flounder bycatch in the scallop fishery*' (Stock Assessment Scientist, Virginia Marine Resources Commission)
- ✓ Dave Martins 2025 '*Movement of Atlantic cod on Georges Bank*' (Fisheries Biologist, MA Marine Fisheries)
- ✓ Alicia (Long) Miller 2009 '*Shell disease and fecundity of American lobster*' (Fishery Research Biologist, NMFS)
- ✓ Jessica Melgey 2010 '*Mark-recapture of yellowtail flounder*' (Technical Specialist, SCS Global Services)
- ✓ Molly Morse 2018 '*Mixed Bluefin tuna stocks*' (Senior Manager, UCSB Benioff Ocean Initiative)
- ✓ Malik Neron 2024 '*Winter flounder resilience*' (Restoration Technician, The Nature Conservancy)
- ✓ Adrienne Pappal 2006 '*Habitat preferences of juvenile winter*' (Water Quality Manager, MA CZM).
- ✓ Sierra Richardson 2023-present '*Standardized catch rates of monkfish*'
- Elizabeth Roros 2025-present, '*Process errors in stock assessment models*'
- ✓ Sally Roman 2012, '*Modified trawls to reduce American plaice bycatch*' (Marine Fishery Specialist, Virginia Institute of Marine Science)
- ✓ Lucía Rueda 2009 '*Environmental factors of loggerhead turtle distribution*' (Research Scientist, Spanish Institute of Oceanography)
- ✓ Stephanie Thompson 2017 '*Fishery impacts of Cape Wind*' (Adjunct Professor, Cape Cod Community College)
- ✓ Tiffany Vidal 2009 '*Tilefish growth and maturity*' (Principal Fisheries Scientist, Pacific Community)

Graduate Committee Member, External 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 Biology 2018 '*Somatosensory reception in 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*'

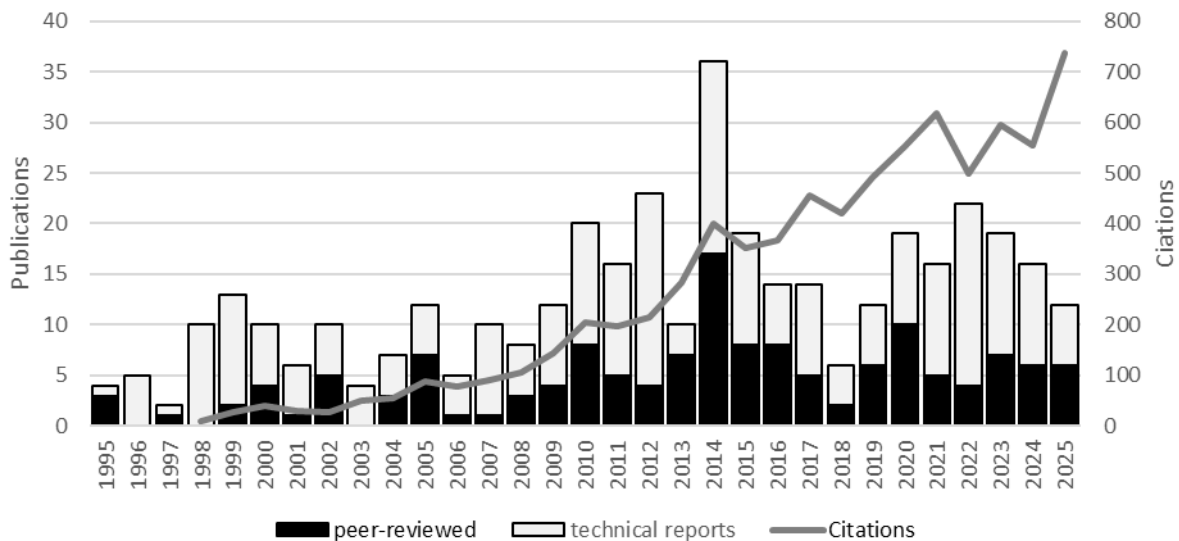
10. Samuel Johnson, Simon Fraser University 2021 'Stock assessment of data-limited, multi-species fisheries'
11. Lisa Kerr, University of Maryland 2008 'Spatial structure of white perch in the Chesapeake Bay'
12. Brendon Lee, Rhodes University 2022 'Stock structure of Patagonian toothfish'
13. Chang Liu, SMAST 2019 'Geolocation methods for demersal fish species using archival tagging data'
14. Margot Maathuis, PhD Wageningen Univ. 'Pelagic fish in the shallow waters'
15. Stephen Midway, University of North Carolina 2013 'Population ecology of southern flounder'
16. Alanna Mnich, SMAST 2024 'Isotopic analysis of larval and adult Atlantic bluefin tuna'
17. Catherine O'Keefe, SMAST 2013 'Bycatch avoidance of yellowtail flounder in the sea scallop fishery'
18. Michael Pol, SMAST 2017 'Establishing a sustainable Acadian redfish trawl fishery in the Gulf of Maine'
19. Judith Rosellon Drucker, SMAST 2016 'Echinoderm populations on Georges Bank'
20. Daniel Ricard, Dalhousie University 2012 'Ecology of heavily exploited fish populations'
21. Chris Rillahan, SMAST 2025 'Optical and acoustic technologies to understand fish behavior'
22. Camillo Saavedra, Universida de Vigo 2017 'Multispecies modelling of dolphins and European hake'
23. Joseph Smith, UMass Amherst 2011 'Connectivity of stream fish populations'
24. Laura Solinger, University of Southern Mississippi 2022 'Evaluating management control rules'
25. Michelle Staudinger, UMass Amherst 2010 'Predation of cephalopods'
26. Robert Wildermuth, SMAST 2021 'Integrated Ecosystem Assessment under model structural uncertainty'
27. Margot Wilsterman, SMAST 2020 'Swimming and reaction of windowpane flounder to reduce bycatch'
28. Megan Winton, SMAST 2024 'Integrating telemetry of highly migratory species for abundance estimates'

Graduated MS Students

1. Julia Barron, U Maine 2025 'Impacts of climate change on winter flounder'
2. Katie (Anderson) Burchard, UMass Amherst 2011 'Spawning and sound production of haddock'
3. Michelle Bachman, SMAST 2009 'Determinants of yellowtail flounder bycatch in the scallop fishery'
4. Nick Callabrese, SMAST 2018 'Video trawl survey of cod in the Gulf of Maine'
5. Kyle Cassidy, SMAST 2018 'Decline of American lobster in Buzzards Bay, MA'
6. Glenn Chamberlain, SMAST 2010 'Photogrammetric system for sampling catches on otter trawl vessels'
7. Aubrey Church, SMAST 2022 'Recreational and commercial allocating of red grouper'
8. Brent Courchene, SMAST 2008 'Ventless trap survey of American lobster'
9. William Duffy, UMass Dartmouth Biology 2010, 'Age determination of American shad'
10. Juan Gutierrez Bravo, SMAST 2024 'Fish larvae from the Pacific oxygen minimum zone'
11. Travis Lowery, SMAST 2018 'Evaluation of a video trawl survey method'
12. Michael Marino, SMAST 2007 'Predation of sea scallops by sea stars'
13. Peter Milligan, SMAST 2009 'Larval dynamics of American lobster in Buzzards Bay Massachusetts'
14. Mary Radlinski, SMAST 2009 'Spatial distribution and thermal habitat of Atlantic mackerel'
15. Sarah Pautzke, UMass Amherst 2008 'Movement of striped bass in Plum Island Sound'
16. Patricia Perez, SMAST 2022 'Ecological factors influencing Georges Bank yellowtail flounder'
17. Derek Perry, UMass Dartmouth Biology 2013 'Feeding ecology of smooth dogfish in Buzzards Bay'
18. Christopher Sarro, SMAST 2008 'Shell height-meat weight relationships for Atlantic sea scallops'
19. Liberty Schilpp, SMAST 2018 'Size-at-age and implications for modeling natural mortality'
20. Erin Snook, UMass Amherst 2013 'Movement patterns of brook trout in a restored stream'
21. Ashley Weston, SMAST 2018 'Environmental effects on flatfish stock assessments'
22. Steven Wilcox, UMass Dartmouth Biology 2012 'Sexual maturity of the channeled whelk'

JOURNAL AND BOOK PUBLICATIONS

- ORCID ID 0000-0003-0787-677X
- >140 peer-reviewed publications, >250 technical reports,
- ~8,000 citations, h-index=43, 116 publications with >10 citations (scholar.google.com)
- >6,000 citations, h-index=39 (https://www.researchgate.net/profile/Steven-Cadrin?ev=hdr_xprf)
- Top 1% (#244/43,547) in 2025 career Fisheries citations, composite c-score ([Scopus author database](https://scopus.com))
- Top 1-2% in Life Sciences, Marine Sciences, Stock Assessment, and Fisheries Management based on publications, citations and h-index, ScholarGPS Ranks (<https://scholargps.com/scholars/96288899504579/steven-x-cadrin>)



1. Cadrin SX & DR Goethel. 2026. Divergent and convergent histories of fishery stock assessment methods in the ICES Community and beyond. *ICES Journal of Marine Science* 83: fsaf240.
2. Cadrin SX. 2026. Foreword. In E Jardim, C Millar, DM Palouka & I Mosqueira. Fish Stock Assessment with R: The a4a Initiative. Use R! Series. Springer.
3. Kerr LA, J Behan, SX Cadrin, AC Hansell, AR Hart, J Kittel, SI Large, T Miller & A Tyrell. 2026. Climate attribution in fishery stock assessment: case studies from the northeast U.S. groundfish stocks. *Fish and Fisheries* (in press).
4. Kittel J, AC Hansell, C Carrano & SX Cadrin. 2026. Incorporating environmental covariates into a state-space stock assessment model for yellowtail flounder. *Canadian Journal of Fisheries & Aquatic Sciences* (in press).
5. Mnich A, M Zavell, BA Muhling, CM Hernández & SX Cadrin. 2026. A review of historical and contemporary evidence for Atlantic bluefin tuna (*Thunnus thynnus*) spawning sites. *Integrative and Comparative Biology* (in press).
6. Cadrin SX. 2025. Misinterpreting retrospective inconsistency in fishery stock assessment. *ICES Journal of Marine Science* 82: fsaf014.
7. Brewster LR, H Townsend, J Link, F Edwards, G DePiper, AC Hansell & SX Cadrin. 2025. A practical guide to economic frontiers for evaluating benefits of multispecies fisheries management. *North American Journal of Fisheries Management* 45: 1–17.

8. Hansell AC, M Barrett, SX Cadrin, C Carrano, J Kittel, CM Legault. 2025. Collapse, recovery and collapse of an important fishery. *J. Northwest Atlantic Fisheries Science* 56: 31–45.
9. Marjadi MN, AW Jones, AJM Mercer, B Galuardi & SX Cadrin. 2025. The importance of fleet definition for estimating economic exposure of the summer flounder fishery to offshore wind farms. *ICES Journal of Marine Science* 82: fsaf124.
10. Mnich A, R Laiz-Carrión, JM Quintanilla, R Borrego-Santos, I Baro, SX Cadrin & M Altabet. 2025. The effects of chemical preservation on bulk isotope ratios in Atlantic bluefin tuna and Atlantic bonito muscle tissue. *Isotopes in Environmental and Health Studies*.
<https://doi.org/10.1080/10256016.2025.2508818>
11. Mnich A, M Zhang, T Gerard, P Reglero, SX Cadrin & Mark Altabet. 2025. The first application of secondary ion mass spectrometry for the analysis of $\delta^{18}\text{O}$ in otoliths of larval fish. *Limnology and Oceanography Methods* 24: e70016.
12. Cadrin SX. 2024. Management reference points for sedentary shellfish fisheries. *Journal of Shellfish Research* 43(2): 145-155.
13. Cadrin SX & S Nakatsuka. 2024. Marine Stewardship Council's fisheries standard: updated best practices for promoting sustainable seafood. *Marine Policy* 163: 106083.
14. Duarte D & SX Cadrin. 2024 Review of methodologies for detecting an observer effect in commercial fisheries data. *Fisheries Research* 274: 107000.
15. Kerr LA & SX Cadrin. 2024. New England Cod Stocks. pp.39-53 In N Kulatska, D Howell, P Wright & IG Jónsdóttir, eds. *Biology and Ecology of Atlantic Cod*. Taylor & Francis. ISBN 9781003120872.
16. Kerr LA, Z Whitener, S Becker, D Goethel, DR Zemeckis, G Sherwood, A Kovach & SX Cadrin. 2024. Stock identification of sympatric Atlantic cod populations in the Gulf of Maine and mixed stock fishery analysis using otolith-based techniques. *Canadian Journal of Fisheries Science and Management* 81. <https://doi.org/10.1139/cjfas-2023-0159>.
17. Townsend H, JS Link, G DePiper, LR Brewster, SX Cadrin & F Edwards. 2024. Multispecies portfolios of U.S. Marine Fisheries: ecosystem-based fisheries management reduces economic risk. *Fisheries* 49: 536-547.
18. Allen-Jacobson LM, AW Jones, A Mercer, SX Cadrin, B Galuardi, D Christel, A Silva, A Lipsky, JB Haugen. 2023. Evaluating potential impacts of offshore wind development on fishing operations by comparing fine- and coarse-scale fishery dependent data. *Marine and Coastal Fisheries* 15: e10233.
19. Cadrin SX, DR Goethel, A Berger & E Jardim. 2023. Best practices for defining spatial boundaries and spatial structure for stock assessment. *Fisheries Research* 262: 106650.
20. Goethel DR, AM Berger & SX Cadrin. 2023. Spatial Awareness: Exploring the continuum of approaches for addressing spatial population structure and connectivity across the assessment-management interface. *Fisheries Research* 264: 106703.
21. Karp M, JS Link, M Grezlik, S Cadrin, G Fay, P Lynch, H Townsend, R Methot, GD Adams, K Blackhart, C Barceló, A Buchheister, M Cieri, D Chagaris, V Christensen, JK Craig, J Cummings, MD Damiano, M Dickey-Collas, BÞ Elvarsson, S Gaichas, MA Haltuch, JB Haugen, D Howell, IC Kaplan, W Klajbor, SI Large, M Masi, J McNamee, B Muffley, S Murray, É Plagányi, D Reid, A Rindorf, SR Sagarese, AM Schueller, R Thorpe, JT Thorson, MT Tomczak, V Trijoulet & R Voss. 2023. Increasing the uptake of multispecies models in fisheries management. *ICES Journal of Marine Science* 80: 243-257.
22. Lowman BA, CE O'Keefe & SX Cadrin. 2023. Evaluating bycatch avoidance in the US Atlantic Sea Scallop fishery. *North American Journal of Fisheries Management* 43: 1713–1724.

23. Mazur M, J Jesse, SX Cadrin, S Truesdell & LA Kerr. 2023. Impacts of ignoring climate impacts on population dynamics in New England groundfish stock assessments. *Fisheries Research* 262: 106652.
24. O'Keefe CE, SX Cadrin, G Glemarec & Y Rouxel. 2023. Efficacy of time-area fishing restrictions and gear-switching as solutions for reducing seabird bycatch in gillnet fisheries. *Reviews in Fisheries Science & Aquaculture* 31: 29-46.
25. Hansell A, S Becker, SX Cadrin, M Lauretta, J Walter & LA Kerr. 2022. Spatio-temporal dynamics of bluefin tuna (*Thunnus thynnus*) in US waters of the northwest Atlantic. *Fisheries Research* 255: 106460.
26. 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.
27. 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. **[8th most downloaded paper from the Journal for 2022]**
28. Solinger LK, DR Hennen, SX Cadrin & EN Powell. 2022. How uncertainty in natural mortality and steepness may affect perception of stock status and fishery sustainability in Atlantic surfclam: a simulation analysis. *Journal of Shellfish Research* 41: 323-334.
29. 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 Science* 78: 2858–2874.
30. Goethel DR & SX Cadrin. 2021. Revival and recent advancements in the spatial fishery models originally conceived by Sidney Holt and Ray Beverton. *ICES Journal of Marine Science* 78: 2298–2315.
31. 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.
32. 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.
33. 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. **[2022 Stevan R Phelps Award from the American Fisheries Society Genetics Section]**
34. Bank CM, K Oliveira, SJ Sutherland, MP Armstrong & SX Cadrin. 2020. Age validation for goosefish (*Lophius americanus*) in the northeastern United States. *Fishery Bulletin* 118: 8-20.
35. 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]**
36. Cadrin SX. 2020. Defining spatial structure for fishery stock assessment. *Fisheries Research* 221: 105397.
37. 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.

38. Cadrin SX, MN Maunder & AE, Punt. 2020. Spatial Structure: Theory, estimation and application in stock assessment models. *Fisheries Research* 229: 105608.
39. 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.
40. Hansell AC, 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.
41. 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.
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PROFESSIONAL AND ADVISORY ACTIVITIES

- 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 Journal Editing
 - Fisheries Research, Associate Editor 2019-2021, Editorial Advisory Board 2022-present
 - Guest Editor, 2018-2020, special issue on Spatial Stock Assessment Models
 - 2011-2012 special issue on Reconciling Spatial Scales and Stock Structures
 - 2010-2012 special issue on Biology, Harvesting, Management and Conservation of Hakes
 - Reviews in Fisheries Science and Aquaculture, Editorial Advisory Board 2025-present
 - ICES Journal of Marine Science, Editor 2014-2016; Guest Editor 2011-2012 special issue on Variability of the North Atlantic and its Marine Ecosystems during 2000–2009
 - Marine Policy (2022) Managing Editor, special issue on Sustainable Fishing Standards
- Center for the Advancement of Population Assessment Methodology, Advisory Panel, 2013-present
- Responsible Offshore Science Alliance, Fisheries Monitoring Working Group, 2020-present
- Saving Seafood Advisory Board, 2015-present
- U.S. Congressional Rep. Keating's Federal Fisheries Advisory Panel, 2012-present
- Massachusetts Ocean Plan, Fisheries Working Group 2013-present
- Northeast U.S. Regional Stock Assessment Workshop (SAW) Process
 - Research Track Stock Assessment Steering Committee, 2022-present
 - Monkfish Research Track Assessment Working Group, 2025-present
 - Winter Flounder Research Track Assessment Working Group, 2024-present
 - Yellowtail Flounder Research Track Assessment Working Group, 2022-2024
 - 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
 - Gear Efficiency Research Expert Review Panel, 2017
 - SAW63 Northeast Regional Stock Assessment Workshop, Black Sea Bass Working Group 2016
 - Monkfish Operational Assessment Working Group 2016
 - 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
 - Northeast Data Poor Stocks Working Group, 2007 Chair
 - 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)
 - Chair, Northern Shelf Cod Stock Assessment Team, subgroup of the Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
 - 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, local host 2024
 - Workshop to compile evidence on the impacts of offshore renewable energy on fisheries and marine ecosystems, 2025
 - Benchmark Assessment Workshop of Sea Bass Stocks, 2024
 - Workshop on Whelk Fisheries, 2024
 - Benchmark Assessment Workshop for Northern Shelf Cod Stocks, 2022-2023
 - Workshop on the Evaluation of Northeast Atlantic Mackerel Stock Components, 2023
 - Workshop on Accounting for Fishers Perceptions of Fish Stocks, 2023
 - Workshop on Stock Identification of West of Scotland Cod, 2021
 - Benchmark Assessment Workshop for Elasmobranch Stocks, 2021
 - Benchmark Assessment Workshop on North Sea Stocks, 2020-2021
 - Chair, Workshop on North Sea Cod Stock Identification, 2020
 - 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
 - Chair, Benchmark Assessment Workshop on West of Scotland Herring (Dublin Ireland, 2015)
 - External Reviewer, Workshop on Quantitative Assessment Methods (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
- American Fisheries Society
 - Working Group on Cooperative Research for Stock Assessment, 2026-present
 - 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)
- NOAA Science Advisory Board Subcommittee on Addressing the Future of Stock Assessment Surveys (2025-2026)
- Responsible Offshore Science Alliance's Research Gaps Analysis, Peer Reviewer (June 2025-March 2026)
- Gulf of Maine Research Institute
 - External Review Panel for the Gulf of Maine Responsibly Harvested program (2024-present)
 - Scientific Advisory Committee (2011-2019, chair 2011-2017)

- Board of Directors (2011-2016)
- New England Fishery Management Council
 - Atlantic Cod Management Transition Workshops, 2024
 - 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
 - Risk Policy Working Group, 2013-2016
 - Overfishing Definition Review Panel, 1997-1998
- Northwest Atlantic Fisheries Organization (NAFO)
 - Precautionary Approach Working Group, 2021-present, co-chair 2021-2023
 - Co-Chair, Symposium on “Hydrobiological and Ecosystem Variability 2000-2009” (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
- Peer reviewer for Responsible Offshore Science Alliance’s Research Gaps Analysis (June 2025)
- Millstone Power Station Ecological Advisory Committee, 2017-2024
- International Commission for the Conservation of Atlantic Tunas (ICCAT) US Delegate
 - Eastern Atlantic and Mediterranean Bluefin Tuna Stock Assessment Meeting, July 2022
 - 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
 - Convener, Workshop on Atlantic Bluefin Tuna Management Strategy Evaluation (New Bedford MA, April 2019)
 - 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)
- International Flatfish Symposium, Local Organizing Committee, 2018-2021
- 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 Bluefin 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
- Transboundary Resources Assessment Committee (TRAC), 1998-2005, 2010, 2012-2014, 2017, 2020
- 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)
- 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
- 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)
- 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
- 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
- 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
- Co-convener, Groundfish Stock Structure Workshop, 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, chair 1996

GRANTS AND CONTRACTS (\$18M in grants since 2005)

last five years \$4M

Title	Funding Source	Award	Start Year	role
Tracking and Modelling Fishing Vessels in Wind Farms	MACEC	\$ 419,462	2025	co-PI
Whelk Stock Assessment	MADMF	\$ 68,480	2025	PI
MFI Graduate Education Program	MADMF	\$ 45,650	2025	PI
Environmental Effects in Groundfish Assessments	NOAA CINAR	\$ 174,756	2024	PI
Investigating Trends in Stock Assessment Process Error	NOAA CINAR	\$ 147,601	2024	co-PI
Otolith Isotopic Signatures from Atlantic Bluefin Tuna Larvae	NOAA BTRP	\$ 47,497	2024	PI
Fishermen's Knowledge for Monkfish Catch Rates	NOAA-RSA	\$ 150,344	2023	PI
Applications of Ecosystem-Based Fishery Management	NOAA Sea Grant	\$ 76,754	2023	PI
Distribution of Atlantic Cod Spawning on Cox Ledge	NOAA CINAR	\$ 76,158	2023	PI
Portfolio Fishery Management	Walton Foundation	\$ 70,000	2023	co-PI
MFI Graduate Education	MADMF	\$ 50,000	2023	PI
Distribution of Cod Spawning	NOAA CINAR	\$ 48,355	2023	PI
Portfolio Fishery management	Lenfest	\$ 338,935	2022	PI
Accounting for Climate in Groundfish Assessments	NOAA CINAR	\$ 157,828	2022	co-PI
Groundfish Surveys and Assessments	NOAA CINAR	\$ 142,148	2022	PI
Bluefin Tuna Stock Assessment	NOAA BTRP	\$ 101,407	2022	PI
MFI Graduate Education	MADMF	\$ 50,000	2022	PI
Cod Management Units	NOAA SK	\$ 41,640	2022	PI
Performance Atlantic Cod Management	NOAA CINAR	\$ 40,142	2022	PI
Groundfish & Environment	NOAA CINAR	\$ 12,912	2022	PI
Sharks and Snapper-Groupers	NOAA BREP	\$ 12,275	2022	PI
Shark Depredation	NOAA CRP	\$ 11,394	2022	PI
Marine Science Internship	NOAA Se Grant	\$ 6,000	2022	PI
Groundfish Catch Rates	NOAA CINAR	\$ 385,573	2021	PI
Portfolio Management of Living Marine Resources	Pew	\$ 338,935	2021	PI
Impact of Offshore Wind on Fisheries	NOAA-CINAR	\$ 213,558	2021	PI
Groundfish Surveys and Assessments	NOAA CINAR	\$ 142,148	2021	PI
CINAR-SMAST Postdoctoral Fellows	NOAA CINAR	\$ 112,709	2021	co-PI
Distribution of Atlantic Cod Spawning	NOAA CINAR	\$ 82,629	2021	PI
Graduate Education Program	MAMDF	\$ 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
Influence of Climate on Bluefin Tuna	NOAA BTRP	\$ 12,912	2021	co-PI