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Education:

- 1990 Ph.D. North Carolina State University, Zoology (Oceanography minor)
1984 M.S. North Carolina State University, Ecology
1981 B.Sc. (Hons). University of York, Human and Environmental Biology

Professional Background:

- 2011-present Director, Chesapeake Biological Laboratory, University of Maryland Center for Environmental Science
2006-present Professor, Chesapeake Biological Laboratory
2000-2006 Associate Professor, Chesapeake Biological Laboratory
1994-2000 Assistant Professor, Chesapeake Biological Laboratory
1990-1994 Post-doctoral Fellow, McGill University, Montreal

Research Interests

Fisheries ecology with emphasis on life history, feeding, growth, size-dependent processes and recruitment in fishes and crabs; Population dynamics and stock assessment; Quantitative Methods in Ecology with emphasis on modeling, experimental design and statistics

Publications (10 selected out of > 70)

- Link, J. S., S. Gaichas, T. J. Miller, T. E. Essington, A. Bundy, J. Boldt, K. F. Drinkwater and E. Moksness. 2012. Synthesizing lessons learned from comparing fisheries production in 13 northern hemisphere ecosystems: emergent fundamental features. *Marine Ecology Progress Series* 459:293-302
- Lucey, S. M., A. M. Cook, J. Boldt, J. S. Link, T. E. Essington and T. J. Miller. 2012. Comparative analyses of surplus production dynamics of functional feeding groups across 12 large marine ecosystems. *Marine Ecology Progress Series* 459:219-229
- Holsman, K., T. E. Essington, T. J. Miller, M. Koen-Alonso and W. J. Stockhausen. 2012. Comparative analysis of cod and herring production dynamics across 13 northern marine ecosystems. *Marine Ecology Progress Series*. 459:231-246-
- Nye, J. A., D. A. Loewensteiner, and T. J. Miller. 2011. Annual, seasonal and regional variability in diet of Atlantic croaker (*Micropogonias undulatus*) in Chesapeake Bay. *Estuaries and Coasts*. 34:691-700.
- Frisk, M. G., T. J. Miller, R. Latour and S. J. D. Martell. 2011. Assessing biomass gains from marsh restoration in Delaware Bay using Ecopath with Ecosim. *Ecological Modelling*. 222:190-200.
- Link, J. S., B. A. Megrey, T. J. Miller, T. E. Essington, J. Boldt, A. Bundy, E. Moksness, K. F. Drinkwater and R. I. Perry. 2010. Comparative analysis of marine ecosystems: International production modeling workshop. *Biology Letters*.6:723-
- Bauer, L. J and T. J. Miller. 2010 Spatial and interannual variability in winter mortality of the blue crab (*Callinectes sapidus*) in the Chesapeake Bay. *Estuaries and Coasts*
- Miller, T. J., J. A. Blair. T. F. Ihde. R. M. Jones, M. J. Wilberg and D. H. Secor. 2010. An innovative role for scientists in stakeholder centered approaches to fisheries management. *Fisheries*. 35(9):425-433.

Frisk, M. G., T. J. Miller, S. J. D. Martell and K. K. Sosebee. 2008. New hypothesis helps explain elasmobranch “outburst” on Georges Bank in the 1980’s. *Ecological Applications* 18:234-245.
Wilburg, M. J. and T. J. Miller. 2007. Problems with inferences of fish population dynamics based on maximum catch. *Science*. 316:1285.

Synergistic activities

International: ICES Working group on Recruitment Processes (2002-2004, chair 2004-2010), ICES Working group on Physical-Biological Interactions (2004 - present), US- Canada Trans-Boundary Resource Assessment Group (2010). US- Canada – Norway Trilateral Program on Production Modeling (2010 – present) - **National** NRC Panel on Water Use in the San Francisco Bay/Delta (2009-2012), NRC Panel on the Bay Delta Conservation Plan (2010 – 2012), NOAA NEFSC Stock Assessment Review Committee 2001,2008, 2009, 2011, 2012; NOAA Mid-Atlantic Fishery Management Council’s Scientific and Technical Committee member (2001-present, Vice-Chair 2009-present); Atlantic States Marine Fisheries Commission Management and Science Committee (2006-present), ASMFC Menhaden and Croaker Review Panel 2003, ASFMC Tautog Review Panel (2005, Chair, 2013), ASMFC Lobster Review Panel (2009, Chair) -**Regional:** Maryland Sea Grant, Scientific Advisory Committee, 2005-present; NOAA-Virginia Sea Grant Review Panel (2003-2006); Chesapeake Bay Fishery Ecosystem Plan Panel (2000 – 2011), Maryland Sea Grant Ecosystem Based Fisheries Program (Chair, Stock Dynamics Evaluation Team 2009-2011), Chesapeake Bay Stock Assessment Committee (1999- present); Scientific advisor to Potomac River Fisheries Commission (2006 – present).

Professional Recognition

Personal: President’s Award for Excellence, UMCES 2001; Graduate Education Award, UMCES 1998, 2008; Best Student Paper Award, Am. Fish Soc 1987; Harkema Award for Graduate Education, NCSU 1986; Plenary Speaker, Larval Fish Conference 2006; ICES Workshop on Physical Biological Interactions 2006; EcoNORTH – International conference on the Northern Ocean Ecosystems 2007. National Ecosystem Modeling Workshop, 2009

With Students: Sally Richardson Award, 24th Larval Fish Conference 2000; Best student paper awards, Tidewater Section, Am. Fish Soc 2010, 2004, 2002, 2001, 2000,1999.

LIST of Collaborators (Last 5 years outside of UMCES)

A. Bundy (DFO- Canada); J. S. Blair (FSU); E. M. Caldarone (NOAA); M. C. Christman (U. FL); J. S. Collie (URI); K. Drinkwater (IMR, Norway); T. E. Essington (U. WA); L. Fegley (MD DNR); M. J. Fogarty (NOAA); A. Folkvord (U. Bergen); M. G. Frisk (Stony Brook); R. S. Fulford (EPA); S. Gaichas (NOAA); J. Hare (NOAA); A. H. Hines (Smithsonian Inst.); J. M. Hoenig (VIMS); K. Holsman (NOAA), R. M. Jones (FSU); C. M. Jones (ODU); M. S. Kendal (NOAA); M. Koen-Alonso (DFO-Canada), R. Latour (VIMS); J. S. Link (NOAA); R. N. Lipcius (VIMS); S. J. D. Martell (UBC), B. Megrey (NOAA); E. Moskness (IMR, Norway); R. M. D. Nash (U. Bergen); J. A. Nye (EPA), P. Pepin, (DFO-Canada); W. Richkus (Versar); A. F. Sharov (MD DNR), W. J. Stockhausen (NOAA), T. A. Target (U.Del), C. Tureli (Univ. Cukurova, Turkey); H. Townsend (NCBO/NOAA)

Graduate Students and Post-doctoral Fellows: **MS:** L. J. Bauer, K. K. Brewster-Geisz, B. J. Brylawski, V. Caceres, M. A. Chenery, J. M. Coakley, A. R. Colton, K. L. Curti, J. E. Edwards, E. A. Evarts, M. G. Frisk, C. J. Heyer, O. P. Jensen. **current:** *N. Mehaffie, D. Zaveta*– **PhD:** L. O. Alade, M. G. Frisk, M. S. Kendall, J. A. Nye, A. Peer. **current:** *H. A. Lane* – **Post-doc** D. B. Bunnell, M. G. Frisk, T. Ihde. **current:** -E. Karakoylu

Advisors: **MS** – S. Mozley (NCSU), **Ph.D.** L. B. Crowder (NCSU), **Post-doc.** W. C. Leggett (McGill)