

**Biographical Sketch**  
**Andrew J. Pershing**

**Personal**

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**(a) Professional Preparation**

Undergraduate:	Brown University	Aquatic Biology	B. S. 1995
Graduate:	Cornell University	Ecology	Ph. D. 2001
Post Doctoral:	Cornell University	Biological Oceanography	2001-2002

**(b) Appointments & Professional Experience**

2014— Chief Scientific Officer, Gulf of Maine Research Institute, Portland, ME  
2006—2013 Research Associate Professor, School of Marine Sciences, University of Maine, Orono, ME  
2004—2006 Assistant Professor, Department of Earth & Atmospheric Sciences, Cornell University, Ithaca, NY . Joint appointment with the Faculty of Computing and Information Science  
2001—2003 Instructor, Faculty of Computing and Information, Cornell University, Ithaca, NY

**(c) Products**

**(i) Five Most Relevant**

Mills KE, Pershing, AJ, Brown, CJ Chen, Y, Chiang, F, Holland, DS, Lehuta, S, Nye, JA, Sun, JC, Thomas, A, Wahle, RA. Fisheries management in a changing climate: lessons from the 2012 ocean heat wave. *Oceanography* 26(2)

Barton AD, Pershing AJ, Litchman E, Record NR, Edwards KF, Finkel ZV, Kiorboe T, Ward BA (2013) The biogeography of marine plankton traits. *Ecology Letters* 16:522-534

Record NR, Pershing AJ, Maps F (2013) Emergent copepod communities in an adaptive trait-structured model. *Ecological Modelling* 260:11-24

Maps F, Pershing AJ, Record NR (2012) A generalized approach for simulating growth and development in diverse marine copepod species. *ICES Journal of Marine Science* 69:370-379

Record NR, Pershing AJ, Maps F (2012) First principles of copepod development help explain global marine diversity patterns. *Oecologia* 170:289-295

**(ii) Five Additional**

MERCINA Working Group (2012) Recent Arctic Climate Change and Its Remote Forcing of Northwest Atlantic Shelf Ecosystems. *Oceanography* 25:208-213

Pershing AJ, Record NR, Monger BC, Pendleton DE, Woodard LA (2009) Model-based estimates of *Calanus finmarchicus* abundance in the Gulf of Maine. *Mar. Eco. Prog. Ser.* 378: 227-243

Pershing , A.J., Christensen, L.B., Record, N.R., Sherwood, G.D. and Stetson, P.B. (2010) The Impact of whaling on the ocean carbon cycle: why bigger was better. *PLoS ONE*, 5: e12444.

Pershing AJ, Head EHJ, Greene CH, Jossi JW (2010) Pattern and scale of variability among Northwest Atlantic Shelf plankton communities. *J. Plankton. Res.* 32:1675-1684

Greene, C. H., and Pershing , A. J. 2007. Climate Drives Sea Change. *Science* 315:1084-1085.

#### **(d) Synergistic Activities**

I am actively involved in regional climate issues. I am presently a member of the Climate Advisory Team for NOAA's North Atlantic Regional Team. I am working with the Gulf of Maine Council to organize a joint US-Canadian meeting on climate issues, and I am organizing the Regional Association for Research on the Gulf of Maine's Annual Science Meeting. Finally, I am committed to communicating science to the general public. I regularly deliver 1-2 public lectures each year and recently testified before the House Subcommittee on Fisheries, Wildlife, and Insular Affairs on the importance of considering climate change when setting fisheries policies.

#### **(e) Collaborators and Other Affiliations**

##### **Collaborators and Coeditors**

P. Archambault (*Universite du Quebec a Rimouski*), B. Bailey (*UC San Diego*), A. Barton (*Duke*), I. Belkin (*URI*), M. Brown (*New England Aquarium*), F. Chai (*U. Maine*), C. Chen (*U. Mass. Dartmouth*), C. Clark (*Cornell*), T. Cole (*NEFSC*), L. Christensen (*U. BC*), T. Cronin (*USGS*), M. Cusson (*Universite du Quebec a Chicoutimi*), W. Golet (*U. Maine*), J. Grabowski (*Northeastern*), C. Greene (*Cornell*), J. Hare (*NEFSC*), G. Herrera (*Bowdoin*), E. Head (*BIO*), D. Holland (*NMFS*), L. Incze (*U. Maine*), T. Kiørboe (*Tech. Univ. Denmark*), R. Kenney (*URI*), K. Kreutz (*U. Maine*), F. Maps (*DFO Canada*), P. Meyers (*U. Maryland*), P. Lawton (*DFO Canada*), C. Mayo (*Provincetown Center for Coastal Studies*), B. Monger (*Cornell*), D.G. Mountain (*U. Arizona*), D. Pendleton (*New England Aquarium*), S. Phillips (*American Museum of Natural History*), N. Record (*U. Maine and Bowdoin College*), J. Roman (*U. Vermont*), J. A. Runge (*U. Maine*), P. Sullivan (*Cornell*), G. Sherwood (*GMRI*), P. Stetson (*U. Texas*), J. Stockwell (*U. Vermont*), R. Tien (*OSU*), R. Wahle (*U. Maine*), A. D. Wanamaker (*Iowa State*), H. Xue (*UMaine*)

##### **Graduate and Postdoctoral Advisors**

Charles H. Greene, Cornell University

##### **Thesis Advisor and Postgraduate-Scholar Sponsor**

Graduate students: Daniel Pendleton (*NOAA NWFSC*, Ph.D. 2009), Peter Stetson (MS, 2011), Nicholas Record (*Bigelow Laboratory for Ocean Sciences*, Ph. D. 2012), Dominick Fitzpatrick (MS, 2013), Karen Stamieszkin (Ph. D., current).

Postdoctoral researchers: Walter Golet (2010-2013), Katherine Mills (2010-2013), Carrie Byron (2010-2012), Sigrid Lehuta (2010-2012), Frederic Maps (2009-2011)