

## Malin L. Pinsky

Department of Ecology, Evolution, and Natural Resources  
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### EDUCATION

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2006-2011 Ph.D. in Biology, Stanford University  
1999-2003 A.B. *magna cum laude* in Biology and Environmental Studies, Williams College

### PROFESSIONAL EXPERIENCE

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2013- Assistant Professor, Department of Ecology, Evolution, and Natural Resources  
Member, Institute of Earth, Ocean, and Atmospheric Sciences, Rutgers University  
Affiliate, Department of Marine and Coastal Sciences, Rutgers University  
2011-2013 David H. Smith Conservation Research Fellow, Princeton University  
2004-2006 Conservation Science Associate, Wild Salmon Center, Portland, OR

### HONORS AND AWARDS

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2016 Early Career Scientist Award, International Council for the Exploration of the Sea  
2015 Kavli Fellow, National Academy of Sciences  
2014-16 Alfred P. Sloan Research Fellow in Ocean Sciences  
2014 Jasper Loftus-Hills Young Investigators Award, American Society of Naturalists  
2012 Best Presentation, 2<sup>nd</sup> International Symposium: Effects of Climate Change on the World's Ocean, ICES/PICES, Yeosu, South Korea  
2011 Outstanding Student Research in Ecology Award, 2<sup>nd</sup> Place, Ecological Society of America  
2009 Best Student Paper in Organismal/Population Biology, Western Society of Naturalists

## GRANTS AND FELLOWSHIPS

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- 2017-19 NOAA Fisheries and the Environment (FATE), “Creating and evaluating indices of climate-induced changes in spatial distributions of North Pacific fishery resources.” Hazen, E., R. Selden, S. Bograd, K. Holsman, M. Pinsky, J. Samhour, M. Haltuch. \$191,943 (\$50,722 to Rutgers).
- 2017-18 Wildlife Management Institute, “Identifying genetic signatures of selection in multiple bat hosts.” Maslo, B., S. Gignoux-Wolfsohn, M. Pinsky, B. Hines. \$39,913.
- 2016-20 NSF Dynamics of Coupled Natural-Human Systems, “CNH-L: The dynamics of adaptation to climate-driven variability in California Current fisheries and fishing communities.” Abbott, J., D. Holland, A. Punt, M. Poe, and M. Pinsky. \$1,499,962 (\$444,236 to Rutgers)
- 2016-20 Nippon Foundation, “Nereus Program Expansion.” Cheung, W., Y. Ota, D. Pauly, W. Swartz, D. Gascuel, T. Frölicher, E. Sunderland, J. Kittinger, A. Boustany, M. Pinsky, R. Rykaczewski, H. Hosein, and Q. Hanich. \$140,000 to Rutgers.
- 2016-19 Gordon and Betty Moore Foundation, “Evolutionary adaptation potential: From novel science to practical application.” M. Colton, M. Webster, D. Schindler, M. Pinsky, \$1,000,541 (\$431,551 to Rutgers).
- 2016-18 NOAA Cooperative Institute for the North Atlantic Region. “Projecting and communicating changes in North American marine species distributions.” Pinsky, M. L., \$94,132.
- 2015-18 NOAA Cooperative Institute for the North Atlantic Region. “Tracking changes in North American marine species distributions.” Pinsky, M. L., \$48,000.
- 2015-17 U.S. Fish and Wildlife Service. “Are Bat Populations Infected with White-nose Syndrome Undergoing Rapid Natural Selection?” B. Maslo, N. Fefferman, and M. L. Pinsky. \$395,630.
- 2015-17 Gordon and Betty Moore Foundation. “Managing Coral Reefs for Adaptation Potential.” Webster, M., M. Colton, M. Pinsky, and D. Schindler. \$500,000 (\$23,859 to Rutgers)
- 2015-17 National Oceanic and Atmospheric Administration (NOAA) Climate Program Office. “Climate velocity over the 21st century and its implications for fisheries management in the Northeast U.S.” Pinsky, M. and R. Seagraves. \$299,896.
- 2015-16 The Pew Charitable Trusts. “Climate Impacts Projections for U.S. Fisheries.” Pinsky, M. \$180,745.
- 2015 The Pew Charitable Trusts. “South Atlantic Climate Impact Analyses.” Pinsky, M. L. \$73,241.
- 2014-18 NSF Division of Ocean Sciences. “Coastal SEES Collaborative Research: Adaptations of fish and fishing communities to rapid climate velocities.” Pinsky, M. L., K. St. Martin, B. McCay, E. Fenichel, S. Levin, and J. Olson \$1,396,554 (\$1,110,598 to Rutgers)

- 2014-16 Alfred P. Sloan Research Fellowship in Ocean Sciences. Pinsky, M. L. \$50,000
- 2014-16 New Jersey Sea Grant. “Genetic monitoring to improve fish stock assessments.” Pinsky, M.L., O. Jensen, and K. Able. \$139,993
- 2014-16 Mid-Atlantic Sea Grant. “Understanding the impacts of climate change on the distribution, population connectivity, and fisheries for summer flounder (*Paralichthys dentatus*) in the Mid-Atlantic.” Pinsky, M. L., J. Nye, J. Fodrie, K. Able, O. Jensen, H. Kim, C. Kennedy. \$505,765 (\$139,990 to Rutgers)
- 2014-15 NSF Division of Ocean Sciences. “RAPID: Mega-typhoon impacts on the metapopulation resilience of coral reef fishes.” Pinsky, M. L. \$93,009
- 2014-15 Oak Ridge Associated Universities, Ralph E. Powe Junior Faculty Enhancement Award. “Mega-Typhoon Impacts on the Resilience of Coral Reef Fishes.” Pinsky, M. L. \$10,000
- 2014-15 NOAA Cooperative Institute for the North Atlantic Region. “Indicators of marine climate impacts in North America. ” Pinsky, M. L. \$63,000
- 2013-14 NOAA Cooperative Institute for the North Atlantic Region. “Assessing marine climate impacts in North America using species range shifts and climate velocity. ” Pinsky, M. L. \$39,990
- 2012 Princeton Environmental Institute Sustainability Challenge. Sarmiento, J. L. (& Pinsky, M. L.) \$4,050
- 2011-2013 David H. Smith Conservation Research Fellowship. Pinsky, M. L. \$185,678
- 2011-2013 NSF Postdoctoral Research Fellowship in Biology, Intersections of Math and Biology *offered but declined*
- 2009-2011 National Science Foundation Graduate Research Fellowship. Pinsky, M. L. ~\$62,000
- 2008 International Society for Reef Studies/Ocean Conservancy Fellowship. Pinsky, M. L. \$14,901
- 2006-2009 National Defense Science & Engineering Graduate Fellowship. Pinsky, M. L. ~\$93,000

## **PUBLICATIONS**

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Citations 1471; h-index 17; i-10 index 22 (Google Scholar, August 12, 2017)

### ***Manuscripts (peer reviewed)***

41. Selden, R. L., R. D. Batt, V. S. Saba, and **M. L. Pinsky**. (2017) Diversity in thermal affinity among key piscivores buffers impacts of ocean warming on predator-prey interactions. ***Global Change Biology*** doi: 10.1111/gcb.13838
40. Batt, R. D., J. W. Morley, R. L. Selden, M. W. Tingley, and **M. L. Pinsky**. (2017) Gradual changes in range size accompany long-term trends in species richness. ***Ecology Letters*** doi: 10.1111/ele.12812

39. Burgess, M. G., A. Fredston-Hermann, **M. L. Pinsky**, S. D. Gaines, D. Tilman. (2017). Reply to Le Pape et al: Management is key to preventing marine extinctions. *Proceedings of the National Academy of Sciences* doi: 10.1073/pnas.1708147114
38. Van Wynsberge, S., S. Andréfouët, N. Gaertner-Mazouni, J. Tiavouane, D. Grulois, J. Lefèvre, **M. L. Pinsky**, and C. Fauvelot. (2017) Considering reefscape configuration and composition in biophysical models advance seascape genetics. *PLoS One* 12(5): e0178239 doi: 10.1371/journal.pone.0178239
37. Holtzwarth, J. N.\*, S. B. San Jose†, H. R. Montes, Jr., J. W. Morley, and **M. L. Pinsky**. (*in press*) The reproductive seasonality and fecundity of yellowtail clownfish (*Amphiprion clarkii*) in the Philippines. *Bulletin of Marine Science* 93(4) doi: 10.5343/bms.2017.1010
- \* Undergraduate student author, † Graduate student author
36. Burgess, M. G., C. Costello, A. Fredston-Hermann, **M. L. Pinsky**, S. D. Gaines, D. Tilman, and S. Polasky. Range contraction enables harvesting to extinction. (2017) *Proceedings of the National Academy of Sciences* 114(15): 3945-3950 doi: 10.1073/pnas.1607551114
35. Webster, M. S., M. A. Colton, E. S. Darling, J. Armstrong, **M. L. Pinsky**, N. Knowlton, and D. E. Schindler. (2017) Who should pick the winners of climate change? *Trends in Ecology and Evolution* 32(3): 167-173 doi: 10.1016/j.tree.2016.12.007
34. Tommasi, D., C. A. Stock, A. J. Hobday, R. Methot, I. C. Kaplan, P. Eveson, K. Holsman, T. J. Miller, S. Gaichas, M. Gehlen, A. Pershing, G. A. Vecchi, R. Msadek, T. Delworth, C. M. Eakin, M. A. Haltuch, R. Séférian, C. M. Spillman, J. R. Hartog, S. Siedlecki, J. F. Samhuri, B. Muhling, R. G. Asch, **M. L. Pinsky**, V. S. Saba, S. B. Kapnick, C. F. Gaitan, R. R. Rykaczewski, M. A. Alexander, Y. Xue, K. V. Pegion, P. Lynch, M. R. Payne, T. Kristiansen, P. Lehodey, and C. Werner. (*accepted*) Managing living marine resources in a dynamic environment: the role of seasonal to decadal climate forecasts. *Progress in Oceanography* 152: 15-49 doi: 10.1016/j.pocean.2016.12.011
33. **Pinsky, M. L.**, P. Saenz-Agudelo, O. Salles, G. Almany, M. Bode, M. Berumen, S. Andréfouët, S. Thorrold, G. Jones, S. Planes. (2017) Congruence of marine dispersal scales over evolutionary and ecological time. *Current Biology* 27: 149-154 doi: 10.1016/j.cub.2016.10.053
32. Morley, J. W., R. D. Batt, **M. L. Pinsky**. (2017) Marine assemblages respond rapidly to winter climate variability. *Global Change Biology* 23(7): 2590-2601 doi: 10.1111/gcb.13578
31. Kleypas, J., D. Thompson, F. Castruccio, E. Curchitser, **M. L. Pinsky**, and J. Watson. (2016) Larval connectivity across temperature gradients, and its potential effect on heat tolerance in coral populations. *Global Change Biology* 22: 3539-3549 doi: 10.1111/gcb.13347
30. Thorson, J., **M. L. Pinsky**, and E. Ward. (2016) Model-based inference for estimating shifts in species distribution, area occupied, and center of gravity. *Methods in Ecology and Evolution* 7(8): 990-1002 doi: 10.1111/2041-210X.12567

29. Kleisner, K. M, M. J. Fogarty, S. McGee, A. Barnett, P. Fratantoni, J. Greene, J. A. Hare, S. Lucy, C. McGuire, J. Odell, V. S. Saba, L. Smith, K. J. Weaver and **M. L. Pinsky**. (2016) The effects of sub-regional climate velocity on the distribution and spatial extent of marine species assemblages. *PLoS One* 11(2): e0149220 doi: 10.1371/journal.pone.0149220

28. Fenichel, E. P., S. A. Levin, B. McCay, K. St. Martin, J. K. Abbott, **M. L. Pinsky**. (2016) Wealth reallocation and sustainability under climate change. *Nature Climate Change* 6: 237-244 doi: 10.1038/NCLIMATE2871

Press coverage by *Newsweek*, *Christian Science Monitor*, *The Weather Channel*

27. Cheung, W. W. L., T. L. Frölicher, R. M. Asch, M. C. Jones, **M. L. Pinsky**, G. Reygondeau, K. B. Rodgers, R. R. Rykaczewski, J. L. Sarmiento, C. Stock, and J. R. Watson. (2016) Building confidence in projections of the responses of living marine resources to climate change. *ICES Journal of Marine Science* 73 (5): 1283-1296 doi: 10.1093/icesjms/fsv250

26. Fuller, E.\* , E. Brush\*, and **M. L. Pinsky**. (2015) The persistence of populations facing climate shifts and harvest. *Ecosphere* 6(9): 153 doi: 10.1890/ES14-00533.1

\* Graduate student authors

25. **Pinsky, M. L.** and D. Byler\*. (2015) Fishing, fast growth, and climate variability increase the risk of collapse. *Proceedings of the Royal Society B: Biological Sciences* 282: 20151053 doi: 10.1098/rspb.2015.1053

\* Undergraduate student author

Press coverage by *BBC News*, *ClimateWire*, and others.

24. McCauley, D. J., **M. L. Pinsky**, S. R. Palumbi, J. A. Estes, F. Joyce, and R. R. Warner (2015) Marine defaunation: animal loss in the global ocean. *Science* 347: 1255641 doi: 10.1126/science.1255641

Press coverage by *New York Times (front page)*, *PBS News Hour*, *National Public Radio*, *The Boston Globe*, *Scientific American*, *Discovery*, *The Daily Beast*, *CNBC*, *Bill Maher*, *ABC7 Los Angeles*, *NJTV evening news*, and others. Rated “Exceptional” on *Faculty of 1000*

Hot Paper and Highly Cited Paper in Ecology/Environment (Essential Science Indicators)

23. Guannel, G., P. Ruggiero, J. Faries, K. Arkema, **M. Pinsky**, G. Gelfenbaum, A. Guerry, and C.-K. Kim. (2015) Integrated modeling framework to quantify the coastal protection services supplied by vegetation. *Journal of Geophysical Research - Oceans* 120(1): 324–345 doi: 10.1002/2014JC009821

22. **Pinsky, M. L.** and N. J. Mantua. (2014) Emerging adaptation approaches for climate-ready fisheries management. *Oceanography* 27(4): 146-159 doi: 10.5670/oceanog.2014.93

21. Mendez, M., F. Kershaw, S. Palumbi, **M. Pinsky**, C. Ray, H. Rosenbaum, A. Subramaniam (2014). Marine Spatial Planning 2.0: genes and satellites to conserve seascape dynamics. *Aquatic Conservation* 24(6): 742-744 doi: 10.1002/aqc.2533

20. Thompson, D., F. Castruccio, J. Kleypas, J. Watson, E. Curchitser, and **M. Pinsky** (2014) Variability in reef connectivity in the Coral Triangle. *Reef Encounters* 29(2): 46-51

19. Aslan, C.\* , **M. L. Pinsky\***, M. Ryan\*, S. Souther\*, and K. Terrell\* (2014) Cultivating creativity in conservation science. *Conservation Biology* 28(2): 345-353 doi: 10.1111/cobi.12173

\* All authors contributed equally

18. de Bruyn, M., **M. L. Pinsky**, B. Hall, P. Koch, C. Baroni, and A. R. Hoelzel. (2014) Rapid increase in southern elephant seal genetic variation after a founder event. *Proceedings of the Royal Society B: Biological Sciences* 281: 20133078 doi: 10.1098/rspb.2013.3078

17. **Pinsky, M. L.** and S. R. Palumbi (2014) Meta-analysis reveals lower genetic diversity in overfished populations. *Molecular Ecology* 23: 29-39 doi: 10.1111/mec.12509

Cover article. News & Views perspective by Allendorf et al. 2014

Highly Cited Paper in Ecology/Environment (Essential Science Indicators)

16. Nelson, E., P. Kareiva, M. Ruckelshaus, K. Arkema, G. Geller\*, E. Girvetz\*, D. Goodrich\*, V. Matzek\*, **M. Pinsky\***, W. Reid\*, M. Saunders\*, D. Semmens\*, and H. Tallis\*. (2013) Climate change's impact on key ecosystem services and the human well-being they support in the United States. *Frontiers in Ecology and Evolution* 11(9): 483-493 doi: 10.1890/120312

\* Authors are alphabetical

15. **Pinsky, M. L.**, B. Worm, M. J. Fogarty, J. L. Sarmiento, and S. A. Levin (2013) Marine taxa track local climate velocities. *Science* 341: 1239-1242 doi: 10.1126/science.1239352

Press coverage by *BBC Radio*, *LA Times*, *CBC*, *ScienceNow*, *ClimateWire*, and others. Rated "Exceptional" on *Faculty of 1000*

Highly Cited Paper in Ecology/Environment (Essential Science Indicators)

14. **Pinsky, M. L.**, G. Guannel, and K. K. Arkema (2013) Quantifying wave attenuation to inform coastal habitat conservation. *Ecosphere* 4: art95 doi: 10.1890/ES13-00080.1

13. **Pinsky, M. L.** and M. Fogarty (2012) Lagged social-ecological responses to climate and range shifts in fisheries. *Climatic Change Letters* 115(3): 883-891 doi:10.1007/s10584-012-0599-x

Highlighted in *Nature Climate Change* (doi:10.1038/nclimate1765) and in *The Working Waterfront*.

12. Kim, C.-K., J. E. Toft, M. Papenfus, G. Verutes, A. D. Guerry, M. H. Ruckelshaus, K. K. Arkema, G. Guannel, S. A. Wood, J. R. Bernhardt, H. Tallis, M. L. Plummer, B. S. Halpern, **M. L. Pinsky**, M. W. Beck, F. Chan, K. Chan, P. S. Levin, S. Polasky (2012) Catching the right wave: evaluating wave energy resources and potential compatibility with existing marine and coastal uses. *PLoS One* 7(11): e47598 doi: 10.1371/journal.pone.0047598

11. **Pinsky, M. L.**, S. R. Palumbi, S. Andréfouët, S. Purkis (2012) Open and closed seascapes: where does habitat patchiness create populations with high fractions of self-recruitment? *Ecological Applications* 22(4): 1257-1267 doi:10.1890/11-1240.1

10. Guerry, A. D., M. H. Ruckelshaus, K. Arkema, J. R. Bernhardt, G. Guannel, C. K. Kim, M. Marsik, M. Papenfus, **M. L. Pinsky**, J. E. Toft, G. Verutes, S. A. Wood, M. Beck, F. Chan, K. M. A. Chan, G. Gelfenbaum, B. Gold, B. S. Halpern, B. Labiosa, S. Lester, P. S. Levin, M. McField, M. Plummer, S. Polasky, P. Ruggiero, D. A. Sutherland, H. Tallis (2012) Modeling benefits from nature: Using ecosystem services to inform coastal and marine spatial planning. *International Journal of Biodiversity Science, Ecosystem Services & Management* 8(1-2): 107-121 doi:10.1080/21513732.2011.647835

9. O'Connor, M. I., E. R. Selig, **M. L. Pinsky**, and F. Altermatt (2012) Toward a conceptual synthesis for climate change responses. *Global Ecology and Biogeography* 21: 693-703 doi:10.1111/j.1466-8238.2011.00713.x

8. **Pinsky, M. L.**, O. P. Jensen, D. Ricard, and S. R. Palumbi (2011) Unexpected patterns of fisheries collapse in the world's oceans. *Proceedings of the National Academy of Sciences* 108(20): 8317-8322

Covered by *Nature News*, *CBC*, *NewScientist*, and others. Recommended on *Faculty of 1000*

Highly Cited Paper in Ecology/Environment (Essential Science Indicators)

7. Woodson, C. B., J. A. Barth, O. M. Cheriton, M. A. McManus, J. P. Ryan, L. Washburn, K. N. Carden\*, B. S. Cheng\*, J. Fernandes\*, L. E. Garske\*, T. C. Gouhier\*, A. J. Haupt\*, K. T. Honey\*, M. F. Hubbard\*, A. Iles\*, L. Kara\*, M. C. Lynch\*, B. Mahoney\*, M. Pfaff\*, **M. L. Pinsky**\*, M. J. Robart\*, J. S. Stewart\*, S. J. Teck\*, and A. True\* (2011) Observations of internal wave packets propagating along-shelf in northern Monterey Bay. *Geophysical Research Letters* 38, L01605, doi:10.1029/2010GL045453

\* Authors are alphabetical

6. **Pinsky, M. L.**, H. Montes, Jr., and S. R. Palumbi (2010) Using isolation by distance and effective density to estimate dispersal scales in anemonefish. *Evolution* 64(9): 2688-2700

5. **Pinsky, M. L.**, S. Newsome, B. R. Dickerson, Y. Fang, M. van Tuinen, D. Kennett, R. R. Ream, and E. A. Hadly (2010) Dispersal provided resilience to range collapse in a marine mammal: insights from the past to inform conservation biology. *Molecular Ecology* 19: 2418-2429

Highlighted in *Science* 330: 582 "Going back to the future to understand climate change"

4. Jackson, J. A., **M. L. Pinsky**, C. S. Baker (2009) Erratum: How many whales were there after whaling? Inference from contemporary mtDNA diversity (vol. 17, pg. 236, 2008). *Molecular Ecology* 18(19): 4134-4135

3. **Pinsky, M. L.**, D. Springmeyer, M. Goslin, and X. Augerot (2009) Range-wide selection of catchments for Pacific salmon conservation. *Conservation Biology* 23(3): 680-691

Used in testimony before the United States Senate, Subcommittee on Oceans, Atmosphere, Fisheries, and Coast Guard, April 15, 2010.

2. Springmeyer, D., **M. Pinsky**, N. Portley, J. Bonkowski, and P. Rand (2007) Prioritization of Sakhalin watersheds for salmonid conservation. *Transactions of the Sakhalin Research Institute of Fisheries and Oceanography* 9: 264-293 (in Russian)

1. Zwirn, M., **M. Pinsky**, and G. Rahr (2005) Angling ecotourism: Issues, guidelines and experience from Kamchatka. *Journal of Ecotourism* 4(1): 16-31

### **Book chapters**

3. **Pinsky, M. L.** and R. L. Selden. (2017) Climate variability, climate change, and conservation in a dynamic ocean. Pp. 23-38 in *Conservation for the Anthropocene Ocean: Interdisciplinary science in support of nature and people* (P. S. Levin and M. R. Poe, editors), Elsevier/Academic Press, Philadelphia, PA

2. Palumbi, S. R. and **M. L. Pinsky** (2013) Marine dispersal, ecology, and conservation. Pp. 57-83 in *Marine Community Ecology* (M. Bertness, J. Bruno, B. Silliman, and J. Stachowitz, editors), Sinauer Press, Sunderland, MA

1. **Pinsky, M. L.**, K. J. Kroeker, C. A. Logan, and D. J. Barshis (2013) Marine conservation in a changing climate. In *Encyclopedia of Biodiversity, 2<sup>nd</sup> Edition* (S. Levin, editor), Academic Press, San Diego



### ***Proceedings, reports and popular articles***

Nippon Foundation-Nereus Program\*. (2017) Oceans and Sustainable Development Goals: Co-benefit, climate change, and social equity. Vancouver, 28 p. <http://www.nereusprogram.org>

M. L. Pinsky and R. Selden were contributing authors.

Clarke, L., R. He, S. Arnott, J. Ballenger, M. Karnauskas, K. Lindeman, R. Mordecai, J. Morley, P. Ortner, C. Paris, M. Pinsky, M. Reichert, M. Roffer, R. Rykaczewski, P. Sheng, G. Voulgaris, and W. White. (2016). Policy Considerations for South Atlantic Climate Variability, Fisheries and Essential Fish Habitats. (A report prepared for the South Atlantic Fishery Management Council.) Available from [https://safmc.net/download/SAFMC\\_HabitatPolicy\\_ClimateVariabilityFisheries\\_Final\\_Dec2016.pdf](https://safmc.net/download/SAFMC_HabitatPolicy_ClimateVariabilityFisheries_Final_Dec2016.pdf)

Pinsky, M. L. (2016). Opinion: These two changes in the ocean are downright scary. MarketWatch, April 22, 2016. Available from <http://www.marketwatch.com/story/these-two-changes-in-the-ocean-are-downright-scary-2016-04-22>.

Pinsky, M. L. (2014). Effects of climate velocity on fish and fisheries. Pp. 175-184 in J. D. Gildeen (ed.), *Managing Our Nation's Fisheries 3: Advancing Sustainability*. Proceedings of a conference on fisheries management in the United States held in Washington, DC, on May 6-9, 2013. Pacific Fisheries Management Council (Portland, OR)

Kareiva, P., M. Ruckelshaus, K. Arkema, G. Geller, E. Girvetz, D. C. Goodrich, E. Nelson, V. Matzek, M. Pinsky, M. Saunders, D. Semmens, and H. Tallis (2012) Impacts of Climate Change on Ecosystem Services. Chapter 4 of M. D. Staudinger, N. B. Grimm, A. Staudt, S. L. Carter, F. S. Chapin III, P. Kareiva, M. Ruckelshaus, and B. A. Stein. *Impacts of Climate Change on Biodiversity, Ecosystems, and Ecosystem Services: Technical Input to the 2013 National Climate Assessment*. Cooperative Report to the 2013 National Climate Assessment. 296 p.

Press coverage by *New York Times*, *ClimateWire*, *The Coloradoan*, and others.

Pinsky, M. L. and H. Montes, Jr. (2010) Estimating dispersal in marine fish to improve resilience to climate change. *Integrated Marine Biogeochemistry and Ecosystem Research (IMBER) Update* 16

Varney, A., P. Christie, G. Labrado, R.-L. Eisma-Osorio, and M. Pinsky (2010) Designing and planning a network of marine protected areas. Coastal Conservation and Education Foundation (Cebu, Philippines) and School of Marine Affairs, University of Washington (Seattle, WA)

Pinsky, M. L. and G. E. Wannier (2010) Managing marine ecosystems for resilience to climate change. *Stanford Journal of Law, Science, and Policy* 2: i-iv

### **TALKS AND SEMINARS**

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#### ***Invited***

- 2017 Ecological Society of America annual meeting, Portland, OR.
- 2017 NOAA Northeast Fisheries Science Center, Sandy Hook, NJ.
- 2017 Keynote address, 1th International Conference and Workshop on Lobster Biology and Management, Portland, ME.
- 2017 Coral Reef Alliance, Washington, DC.
- 2017 Department of Ecology and Evolutionary Biology, Princeton University, Princeton, NJ.
- 2017 Institute for the Oceans and Fisheries, University of British Columbia, Vancouver, BC, Canada.
- 2017 Rutgers Climate Institute, Rutgers University, New Brunswick, NJ.
- 2016 Marine Science Center, Northeastern University, Nahant, MA.
- 2016 Lovén Centre Tjärnö, University of Gothenburg, Strömstad, Sweden.
- 2016 Center for Ecological and Evolutionary Synthesis, University of Oslo, Oslo, Norway.
- 2016 DTU-Aqua, Copenhagen, Denmark.
- 2016 International Council for Exploration of the Sea Annual Meeting, Riga, Latvia.
- 2016 Stockholm Seminar, Stockholm Resilience Center, The Royal Swedish Academy of Sciences, Stockholm, Sweden.
- 2016 Tides Of Change: A Capitol Hill Briefing on how oceans are changing and how those changes affect fisheries and fishing communities, hosted by COMPASS, Capitol Hill Visitors Center, Washington, DC.
- 2016 Aquarium of the Pacific, Long Beach, CA.
- 2016 Mid-Atlantic Fisheries Management Council, Newark, DE.
- 2016 Department of Biology, George Washington University, Washington, DC.
- 2016 Department of Biology, University of Pennsylvania, Philadelphia, PA.
- 2015 Department of Biology, Temple University, Philadelphia, PA.
- 2015 2015 Pew Fellows Program in Marine Conservation Annual Meeting, Rio Grande, Puerto Rico.
- 2015 Ecological Society of America, Baltimore, MD.
- 2015 Application of Seasonal to Decadal Climate Predictions for Marine Resource Management Workshop, NOAA Geophysical Fluid Dynamics Laboratory, Princeton, NJ.
- 2015 Discussant for “Grand Challenges in Theoretical Ecology,” by Bob Holt and David Tilman. Department of Ecology and Evolutionary Biology, Princeton University, Princeton, NJ.
- 2015 Ecosystem-Based Management Tools Webinar, New Brunswick, NJ.
- 2015 Mid-Atlantic Fisheries Management Council, Long Branch, NJ.

- 2015 Department of Ecology, Evolution, and Environmental Biology, Columbia University, New York City, NY.
- 2015 Department of Ecology and Evolutionary Biology, Yale University, New Haven, CT.
- 2015 Third International Symposium: Effects of Climate Change on the World's Oceans. Santos City, Brazil.
- 2015 Interdisciplinary Program in Ocean Change, University of Washington, Seattle, WA.
- 2014 NOAA Fisheries Webinar. Presented with Jon Hare.
- 2014 Dept. of Ecology, Evolution, and Marine Biology seminar, University of California, Santa Barbara, CA.
- 2014 American Society of Naturalists Young Investigators' Symposium, Evolution2014. Raleigh, NC.
- 2014 Biology Seminar, University of Massachusetts Boston, Boston, MA.
- 2014 Ecosystem-based Fisheries Management workshop, Pew Foundation, Washington, DC.
- 2014 New Jersey Department of Environmental Protection, Trenton, NJ.
- 2014 Mid-Atlantic Fisheries Management Council. New Bern, NC.
- 2013 Ecology & Evolution Graduate Seminar Series. Rutgers University, Rutgers, NJ.
- 2013 School of Marine and Atmospheric Studies, Stony Brook University, Stony Brook, NY.
- 2013 Bridging the Climate Divide: Informing the Response to Hurricane Sandy and Implications for Future Vulnerability, Rutgers Climate Institute, New Brunswick, NJ.
- 2013 Climate Change and New England Fisheries - Observations, Impacts and Adaptation Strategies, Island Institute, Portland, ME.  
 Featured in *WMTW* evening news (*ABC*-affiliate in Portland, ME), the *Portland Press Herald*, and the *Bangor Daily News*.
- 2013 International Congress for Conservation Biology, Baltimore, MD.
- 2013 Capital Hill briefing on "Climate Change and Fisheries" hosted by the American Fisheries Society, Rayburn Building, Washington, DC.
- 2013 Managing Our Nations' Fisheries 3, Washington, DC.
- 2013 National Adaptation Forum, Denver, CO.
- 2012 Department of Ecology and Evolutionary Biology, Princeton University, Princeton, NJ
- 2012 OneNOAA Seminar, National Oceanic and Atmospheric Administration, Silver Spring, MD
- 2012 American Institute of Fisheries Research Biologists Annual Meeting. New Bedford, MA.
- 2012 Keynote speaker for Oceans of Change: ICES/PICES Conference for Early Career Scientists. Mallorca, Spain.
- 2011 Harvest Fisheries Seminar, Bedford Inst. of Oceanography, Dartmouth, Nova Scotia
- 2011 Dept. of Biology Seminar, Dalhousie University, Halifax, Nova Scotia.

- 2011 University of Maine, Machias, ME
- 2011 Rutgers Ecology and Evolution Graduate Program Seminar Series, New Brunswick, NJ
- 2011 American Fisheries Society Annual Meeting, Seattle, WA
- 2011 International Marine Conservation Congress II, Victoria, BC
- 2010 National Oceanic and Atmospheric Administration, Geophysical Fluid Dynamics Laboratory Seminar, Princeton, NJ
- 2009 Kelp Klimbers and Sea Otters Dive Club, Monterey, CA
- 2008 Marine Protected Area Network Planning Workshop, Coastal Conservation and Education Foundation, Cebu, Philippines
- 2008 Riversymposium, Brisbane, Australia

***Contributed***

- 2017 Ecological Society of America annual meeting, Portland, OR.
- 2017 New York Area Population Genomics Workshop, New York City, NY
- 2016 13<sup>th</sup> International Coral Reef Symposium, Honolulu, HI.
- 2016 Ocean Sciences Meeting, New Orleans, LA.
- 2015 Third International Symposium: Effects of Climate Change on the World's Oceans. Santos City, Brazil.
- 2014 Ecological Society of America, Sacramento, CA.
- 2014 Ocean Sciences Meeting, Honolulu, HI.
- 2014 21<sup>st</sup> Century Naturalists: Integrating Pattern and Process to Understand Biodiversity. American Society of Naturalists, Pacific Grove, CA.
- 2013 International Council for Exploration of the Sea 2013 Annual Science Conference, Reykjavik, Iceland.
- 2012 American Fisheries Society, St. Paul, MN.
- 2012 Ecological Society of America Conference, Portland, OR.
- 2012 International Coral Reef Symposium, Cairns, Australia.
- 2012 2nd International Symposium: Effects of the Climate Change on the World's Oceans. ICES/PICES. Yeosu, South Korea.

Best oral presentation

- 2011 Ecological Society of America Annual Meeting, Austin, TX
- 2011 Society for the Study of Evolution Annual Meeting, Norman, OK

Covered by *NewScientist*, 15 July 2011, "Overfishing eats away at genetic diversity of fish," by Bob Holmes

- 2010 Western Society of Naturalists Annual Meeting, San Diego, CA  
 2010 Ecological Society of America Annual Meeting, Pittsburgh, PA  
 2010 Society for the Study of Evolution Annual Meeting, Portland, OR  
 2009 Western Society of Naturalists Annual Meeting, Monterey, CA  
 2009 Society for the Study of Evolution Annual Meeting, Moscow, ID  
 2007 Western Society of Naturalists Annual Meeting, Ventura, CA  
 2007 Society for the Study of Evolution Annual Meeting, Christchurch, New Zealand  
 2006 Western Society of Naturalists Annual Meeting, Redmond, WA

## TEACHING

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### *Professor of Record*

- 2017 Molecular Ecology, Rutgers University  
 2016 Ecology, Evolution, and Climate Change, Rutgers University  
 2015 Molecular Ecology, Rutgers University  
 2014 Molecular Ecology, Rutgers University

## MENTORING

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### *Primary Graduate Advisor*

- Jennifer Hoey, Ph.D., Ecology & Evolution, 2014-present (projected 2019)  
 Patrick Flanagan, M.S., Oceanography, 2014-2017  
 Katrina Catalano, Ph.D., Ecology & Evolution, 2016-present (projected 2021)  
 Zoë Kitchel, Ph.D., Ecology & Evolution, 2017-present (projected 2022)  
 René Clark, Ph.D., Ecology & Evolution, 2017-present (projected 2022)

### *Graduate Committees*

- Nick Lorusso, Ph.D., Ecology & Evolution, 2014-present  
 Bethanne Bruninga-Socolor, Ph.D., Ecology & Evolution, 2014-present  
 Lisa McManus, Ph.D., Ecology & Evolutionary Biology (Princeton), 2014-present  
 Sean Griffin, M.S., Ecology & Evolution, 2014-2015  
 Raphael Valentin, Ph.D., Ecology & Evolution, 2015-present  
 Michael Roswell, Ph.D., Ecology & Evolution, 2015-present  
 Colleen Smith, Ph.D., Ecology & Evolution, 2015-present  
 Alexa Fredston-Hermann, Ph.D., Environmental Science & Management (U. California, Santa Barbara), 2015-present

Chris Free, Ph.D., Oceanography, 2016-present

Oliver Stringham, Ph.D., Ecology & Evolution, 2016-present

Alicia Cheripka, M.S., Marine Biology, (U. North Carolina Wilmington), 2017-present

Katie Nickerson, M.S. Oceanography, 2017-2018

## PROFESSIONAL SERVICE

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- 2017      Adaptation Challenge Workshop, Coral Reef Alliance (CORAL)
- 2017      Changing Ocean Conditions Related to Fisheries Workshop, Mid-Atlantic Regional Ocean Council (MARCO)
- 2016      New England legislator's briefing on ocean change and fisheries.
- 2016      Capital Hill Briefing on ocean change and fisheries, Capital Visitors Center.
- 2016      National Science Foundation review panel
- 2015-2016      South Atlantic Climate Variability and Fisheries Ecosystem Plan II Section Writing Team, South Atlantic Fisheries Management Council
- 2015      Top Reviewer for *Molecular Ecology*
- 2014-      Developed and maintain OceanAdapt (<http://oceanadapt.rutgers.edu>), a website that provides data and analyses of marine species distribution shifts in the United States
- 2014 -      Executive Committee, Ecology & Evolution Graduate Program, Rutgers University
- 2014-      Chair, Seminar Committee, Ecology and Evolution Graduate Program, Rutgers University
- 2014-      Faculty Mentor, Ecology & Evolution Graduate Student Association (EcoGSA)
- 2014      National Science Foundation review panel
- 2014      Organizer, "Climate and beyond: cumulative impacts on species range shifts." Symposium at the Ecological Society of America meeting, Sacramento, CA.
- 2014-      Northeast Regional Planning Body (RPB) Fish Work Group member
- 2014      Science & Vision Committee, Institute of Earth, Ocean, and Atmosphere, Rutgers University
- 2014      Volunteer scientist, STEM Educators' Series, Institute of Marine and Coastal Sciences, Rutgers University
- 2013      Panelist, "Bridging the Climate Divide: Informing The Response to Hurricane Sandy and Implications for Future Vulnerability." Rutgers Climate Institute.
- 2013      Co-Instructor, Workshop on Building Personal and Collective Leadership Capacity in Conservation, International Congress on Conservation Biology, Baltimore, MD
- 2013      Co-organizer, "Climate-ready management of living marine resources," National Adaptation Forum, Denver, CO

- 2012 Co-organizer, “Climate and Fisheries: Responses of a Socio-Ecological System to Global Change,” American Fisheries Society annual meeting, St. Paul, MN
- 2011-2012 National Climate Assessment, Ecosystem Services Technical Input Team
- 2011 Integrative Leadership Task Force, Society for Conservation Biology
- 2008-2010 Co-founder & Senior Articles Editor, Stanford Journal of Law, Science, and Policy
- Peer Reviewer

*Science, Proceedings of the National Academy of Sciences, eLife, Current Biology, Ecology Letters, Molecular Ecology, Ecology, Evolution, The American Naturalist, Ecological Applications, Fish and Fisheries, Heredity, Conservation Biology, Biological Conservation, Journal of Biogeography, Oceanography, Journal of Marine Biology, PLoS One, Marine Ecology Progress Series, ICES Journal of Marine Science, Progress in Oceanography, Oceanography, International Marine Conservation Congress, Regional Environmental Change, Methods in Ecology and Evolution, Marine Policy*

*National Science Foundation, David H. Smith Conservation Fellowship Program, Coral Reef Alliance, Stew Tweed Fisheries & Aquaculture Scholarship Fund, National Sea Grant*