

David M. Post
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EDUCATION

2000 Ph.D., Cornell University, Ecology and Evolutionary Biology
1996 M.S., University of Wisconsin - Madison, Zoology
1992 B.S., University of Wisconsin - Madison, Wildlife Ecology

EMPLOYMENT

2014 - Professor, Dept. of Ecology and Evolutionary Bio., Yale University
2014 - Chair, Yale University-Wide Committee on Sexual Misconduct
2008 - 2013 Associate Professor, Dept. of Ecology and Evol. Bio., Yale University
2002 - 2008 Assistant Professor, Dept. of Ecology and Evol. Bio., Yale University
2000 - 2002 Postdoctoral Fellow, NCEAS, University of California, Santa Barbara

AWARDS

2003 The **2003 IRPE Prize** for a young ecologist (<40 yrs) who has published uniquely independent, original and/or challenging research representing an important scientific breakthrough

2002 **Raymond L. Lindeman Award** from the American Society of Limnology and Oceanography for an outstanding paper by a young (<35 yrs) aquatic scientist (for Post *et al.* 2000. *Nature* 405:1047-1049)

2001 **L.C. Cole Award** for the outstanding publication by a graduate student of the Department of Ecology and Evolutionary Biology, Cornell University (for Post *et al.* 2000. *Nature* 405:1047-1049)

2000 **R.H. Whittaker Award** for the outstanding oral presentation at the Ecology and Evolutionary Biology Annual Symposium, Cornell University

PROPOSALS FUNDED

2016-2020 Collaborative research: The ecological and evolutionary dynamics of secondary contact. NSF-DEB #1556848.

2015-2017 Reading the historical record of the Mara using sediment cores from the Mara Wetland. World Wildlife Fund.

- 2015-2017 Study of Restoration of Anadromous Alewife to Selected Lakes of Connecticut. CT DEEP State Wildlife Grant.
- 2014-2018 Collaborative research: Wildlife subsidies interact with discharge to influence ecosystem function of a large African river. NSF-DEB #1354035.
- 2013-2016 Collaborative research: RAPID: Using river restoration to test the ecological and evolutionary effects of secondary contact. NSF-DEB #1343920.
- 2013-2014 Animal migrations and resource subsidies in the Mara River. National Geographic Society.
- 2009-2013 Collaborative research: The role of regenerated nitrogen for rocky shore productivity. National Science Foundation. NSF-OCE #0928232.
- 2007-2010 Testing the effects of intraspecific phenotypic variation on community structure and dynamics in coastal lakes: revisiting size selective predation by alewives. National Science Foundation. NSF-DEB #0717265.
- 2006-2007 Restoration of river herring to Pisgah Brook and Linsley Pond: patterns of population recovery and ecological effects. Long Island Sound Fund.
- 2004-2006 The dual influences of Alewives, *Alosa pseudoharengus*, on inland water quality: nutrient fluxes and food web effects. Connecticut Institute of Water Resources.
- 2003-2007 Collaborative Research: Food-chain length in streams: testing the role of ecosystem size, resource availability and disturbance. National Science Foundation. NSF-DEB #0316679.

PROPOSALS FUNDED (not administered through Yale University)

- 2014-2016 Determining the Origins of River Herring Bycatch - II. National Fish and Wildlife Foundation (Co-investigator; UC Santa Cruz lead institution; Yale University and the CT DEEP collaborating)
- 2010-2013 Determining the Origins of River Herring Bycatch. National Fish and Wildlife Foundation (Co-investigator; Duke University and SUNY ESF lead institutions; Yale University, WHOI, University of Southern Maine, and CT DEP collaborating)

STUDENT PROPOSALS FUNDED (major external grants only)

- 2015-2018 NSF GRFP, Katherine Littrell. Three years of stipend support.
- 2013-2014 Switzer Fellowship, Amanda Subalusky.
- 2012-2013 Dissertation research: Climate change and regime shifts. National Science Foundation. DEB-1210531. Derek West.

- 2007 Teresa Heinz Scholars for Environmental Research Award, Annika Walters.
- 2006-2009 EPA STAR Graduate Fellowship, Annika Walters. Three years of stipend and research support.
- 2004-2007 EPA STAR Graduate Fellowship, Eric Palkovacs. Three years of stipend and research support

PUBLICATIONS (Citations: Google: >11,500, h-index 41; Web of Sci: >7,800, h-index 33)

- 2017 Hampton, S.E, et al. 2017. Ecology under lake ice. *Ecology Letters* 20:98-111. doi:10.1111/ele.12699
- Twining, C.W., E.P. Palkovacs, M.A. Friedman, D.J. Hasselman, and **D.M. Post**. 2017. Nutrient loading by anadromous fishes: species-specific contributions and the effects of diversity. *Canadian Journal of Fisheries and Aquatic Resources* 74: 609–619. doi:10.1139/cjfas-2016-0136
- Vanni, M.J., et al. 2017. A global database of nitrogen and phosphorus excretion rates of aquatic animals. *Ecology* 98:1475. doi:10.1002/ecy.1792
- 2016 Hasselman, D.J., E.C. Anderson, E.E Argo, N.D Bethoney, S.P. Gephard, **D.M. Post**, B. P. Schondelmeier, T.F. Schultz, T.V. Willis, and E.P. Palkovacs. 2016. Genetic stock composition of marine bycatch reveals disproportional impacts on depleted river herring genetic stocks. *Canadian Journal of Fisheries and Aquatic Resources* 73:951-963. doi:10.1139/cjfas-2015-040
- Holgerson, M.A., **D. M. Post**, D. K. Skelly. 2016. Reconciling the role of terrestrial leaves in pond food webs: a whole-ecosystem experiment. *Ecology* 97:1771–1782. doi:10.1890/15-1848.1 [**Winner of the 2016 Thomas M. Frost Award for Excellence in Graduate Research from the Aquatic Ecology Section of the Ecological Society of America**]
- Jones, A.W., and **D.M. Post**. 2016. Does intraspecific competition promote variation? A test via synthesis. *Ecology and Evolution* 6:1646–1655. doi:10.1002/ece3.1991
- Walsh, M.R., T. Castoe, J. Holmes, M. Packer, K. Biles, M. Walsh, S. B. Munch, **D.M. Post**. 2016. Local adaptation in transgenerational responses to predators. *Proceedings of the Royal Society B*. 283:20152271. doi:10.1098/rspb.2015.2271
- West, D.C. and **D.M. Post**. 2016. Divergent impacts of warming revealed by linking resource growth rates with consumer functional responses. *Journal of Animal Ecology* 85:671–680. doi:10.1111/1365-2656.12491
- 2015 Brodersen, J., J.G. Howeth, and **D.M. Post**. A novel prey life history promotes contemporary sympatric diversification in a top predator. *Nature Communications* 6:8115. doi:10.1038/ncomms9115

- Palkovacs, E.P., D.C. Fryxell, N.E. Turley, **D.M. Post**. 2015. Ecological effects of intraspecific consumer biodiversity for aquatic communities and ecosystems. In *Aquatic Functional Biodiversity* edited by Andrea Belgrano, Guy Woodward, and Ute Jacob. Elsevier. DOI: 10.1016/B978-0-12-417015-5.00002-5
- Subalusky, A.L., C.L. Dutton, E.J. Rosi-Marshall, and **D.M. Post**. 2015. The Hippopotamus conveyor belt: vectors of carbon and nutrients from terrestrial grasslands to aquatic systems in sub-Saharan Africa. *Freshwater Biology* 60:512-525. doi:10.1111/fwb.12474
- 2014 Casey, M.M., G.P. Dielt, **D.M. Post**, and D.E.G. Briggs. 2014. The impact of eutrophication and commercial fishing on molluscan communities in Long Island Sound, USA. *Biological Conservation* 170:137-144. doi:10.1016/j.biocon.2013.12.037
- Huss, M., J.G. Howeth, J. Osterman, and **D.M. Post**. 2014. Intraspecific phenotypic variation among alewife populations drives parallel phenotypic shifts in bluegill. *Proceedings of the Royal Society B*. 281:20140275 doi:10.1098/rspb.2014.0275
- Palkovacs, E.P., E.G. Mandeville, and **D.M. Post**. 2014. Contemporary trait change in a classic ecological experiment: rapid decrease in alewife gill-raker spacing following introduction to an inland lake. *Freshwater Biology* 59:1897-1901. doi:10.1111/fwb.12392
- Palkovacs, E.P., D.J. Hasselman, E.E. Argo, S.R. Gephard, K.E. Limburg, **D.M. Post**, T.F. Schultz, T.V. Willis. 2014. Combining genetic and demographic information to prioritize conservation efforts for anadromous alewife and blueback herring. *Evolutionary Applications* 7:212-226. doi:10.1111/eva.12111
- Pather, S., C. A. Pfister, M.A. Altabet, and **D.M. Post**. 2014. Ammonium cycling in the rocky intertidal: remineralization, removal and retention. *Limnology and Oceanography* 59: 361-372. doi:10.4319/lo.2014.59.2.0000
- Pfister, C.A., M.A. Altabet, and **D. Post**. 2014. Animal regeneration and microbial retention of nitrogen along coastal rocky shores. *Ecology* 95: 2803-2814. doi:10.1890/13-1825.1
- Walsh, M.R., K. J. LaPierre, and **D.M. Post**. 2014. Phytoplankton composition modifies predator-driven life history evolution in *Daphnia*. *Evolutionary Ecology* 28: 397-411. doi:10.1007/s10682-013-9666-7
- 2013 Howeth, J.G., J.J. Weis, J. Brodersen, E.C. Hatton, and **D.M. Post**. 2013. Intraspecific variation in a fish predator affects multitrophic lake metacommunity structure. *Ecology and Evolution* 15:5031-5044. doi: 10.1002/ece3.878

- Jones, A.W., E.P. Palkovacs and **D.M. Post**. 2013. Recent parallel divergence in body shape and diet source of alewife life history forms. *Evolutionary Ecology* 27: 1175-1187. doi:10.1007/s10682-013-9650-2
- Jones, A.W., and **D.M. Post**. 2013. Consumer interaction strength may limit the diversifying effect of intraspecific competition: a test in alewife (*Alosa pseudoharengus*). *American Naturalist* 181: 815-826. doi:10.1086/670197
- Takimoto, G., and **D.M. Post**. 2013. Environmental determinants of food-chain length: a meta-analysis. *Ecological Research* 28: 675-681. doi:10.1007/s11284-012-0943-7
- Twining, C.W., and **D.M. Post**. 2013. Cladoceran remains reveal presence of a keystone size-selective planktivore. *Journal of Paleolimnology* 49:253-266. doi: 10.1007/s10933-012-9672-8
- Twining, C.W., D.C. West, and **D.M. Post**. 2013. Historical changes in nutrient inputs from humans and anadromous fish in New England's coastal watersheds. *Limnology and Oceanography* 58:1286-1300. doi:10.4319/lo.2013.58.4.1286
- Weis, J.J., and **D.M. Post**. 2013. Intraspecific variation in a predator drives cascading variation in primary producer community. *Oikos* 122:1343-1349. doi:10.1111/j.1600-0706.2012.00258.x
- 2012 Layman, C.A., M.S. Araujo, R. Boucek, C. M. Hammerschlag-Peyer, E. Harrison, Z.R. Jud, P. Matich, A.E. Rosenblatt, J. Vaudo, L.A. Yeager, **D.M. Post**, S. Bearhop. 2012. Applying stable isotopes to examine food-web structure: an overview of analytical tools. *Biological Reviews* 87:545-562. doi:10.1111/j.1469-185X.2011.00208.x **[ISI Web of Science highly cited paper]**
- Takimoto, G., **D.M. Post**, D.A. Spiller, and R.D. Holt. 2012. Effects of productivity, disturbance, and ecosystem size on food-chain length: insights from a metacommunity model of intraguild predation. *Ecological Research* 27:481-493. doi:10.1007/s11284-012-0929-5
- Walsh, M.R., and **D.M. Post**. 2012. The impact of intraspecific variation in a fish predator on the evolution of phenotypic plasticity and investment in sex in *Daphnia ambigua*. *Journal of Evolutionary Biology* 28:80-89. doi:10.1111/j.1420-9101.2011.02403.x
- Walsh, M.R., J.P. DeLong, T.C. Hanley and **D.M. Post**. 2012. A cascade of evolutionary change alters consumer-resource dynamics and ecosystem function. *Proceedings of the Royal Society B* 279:3184-3192. doi:10.1098/rspb.2012.0496
- 2011 Casey, M.M., **D.M. Post**. 2011. The problem of isotopic baseline: reconstructing the diet and trophic position of fossil animals. *Earth-Science Reviews* 106:131-148. doi:10.1016/j.earscirev.2011.02.001

- Schielke, E.G., E.P. Palkovacs, and **D.M. Post**. 2011. Eco-evolutionary feedbacks drive niche differences in alewives. *Biological Theory* 6:211-219. doi:10.1007/s13752-012-0031-9
- Walsh, M.R., and **D.M. Post**. 2011. Inter-population variation in a fish predator drives evolutionary divergence in prey in lakes. *Proceedings of the Royal Society B* 278:2628-2637. doi:10.1098/rspb.2010.2634
- Walters, A. W., and **D. M. Post**. 2011. How low can you go? Impacts of a low flow disturbance on aquatic insect communities. *Ecological Applications* 20:163-174. doi:10.1890/09-2323.1
- 2010 Jones, A.W., C.M. Dalton, E.S. Stowe, and **D.M. Post**. 2010. Contribution of declining anadromous fishes to the reproductive investment of a common piscivorous seabird, the double-crested cormorant (*phalacrocorax auritus*). *Auk* 127:696-703.
- Sabo, J.L., J.C. Finlay, T. Kennedy, and **D.M. Post**. 2010. The role of discharge variation in scaling of drainage area and food chain length in rivers. *Science* 330:965-967.
- Schielke, E.G., and **D.M. Post**. 2010. Size matters: comparing stable isotope ratios of tissue plugs and whole organisms. *Limnology and Oceanography Methods* 8: 348-351 .
- West, D.C., A.W. Walters, S. Gephard, and **D.M. Post**. 2010. Nutrient loading by anadromous alewives: contemporary patterns and predictions for restoration efforts. *Canadian Journal of Fisheries and Aquatic Sciences* 67:1211-1220.
- 2009 Bailey, J.K., A.P. Hendry, M.T. Kinnison, **D.M. Post**, E.P. Palkovacs, F. Pelletier, L.J. Harmon, and J.A. Schweitzer. 2009. From genes to ecosystems: an emerging synthesis of eco-evolutionary dynamics. *New Phytologist* 184:746-749.
- Dalton, C.M., D. Ellis, **D.M. Post**. 2009. The impact of double-crested cormorant (*Phalacrocorax auritus*) predation on anadromous alewife (*Alosa pseudoharengus*) in south-central Connecticut, USA. *Canadian Journal of Fisheries and Aquatic Sciences* 66:177-186.
- Palkovacs, E.P., and **D.M. Post**. 2009. Experimental evidence that phenotypic divergence in predators drive community divergence in prey. *Ecology* 90:300-305.
- Post, D.M.**, and E.P. Palkovacs. 2009. Eco-evolutionary feedbacks in community and ecosystem ecology: interactions between the ecological theater and the evolutionary play. *Philosophical Transactions of the Royal Society B* 364: 1629-1640.
- Post, D.M.** and A.W. Walters. 2009. Nutrient excretion rates of anadromous alewives during their spawning migration. *Transactions of the American Fisheries Society* 138:264-268.

- Sabo, J.L., J.C. Finlay and **D.M. Post**. 2009. Food chains in freshwater. *The Year in Ecology and Conservation Biology*, 2009. 1162:187-220.
- Walters, A.W., R.T. Barnes, and **D.M. Post**. 2009. Anadromous alewives (*Alosa pseudoharengus*) contribute marine-derived nutrients to coastal stream food webs. *Canadian Journal of Fisheries and Aquatic Sciences* 66:439-448.
- 2008 **Post, D.M.**, E.P. Palkovacs, E.G. Schielke, and S.I. Dodson. 2008. Intraspecific phenotypic variation in a predator affects zooplankton community structure and cascading trophic interactions. *Ecology* 89: 2019-2032.
- Walters, A.W. and **D.M. Post**. 2008. An experimental disturbance alters fish size-structure, but not food-chain length in streams. *Ecology* 89:3261-3267.
- Takimoto, G., D.A. Spiller, and **D. M. Post**. 2008. Ecosystem size, but not disturbance, determines food-chain length on islands in the Bahamas. *Ecology* 89:3001-3007.
- Paetzold, A., M. Lee, and **D.M. Post**. 2008. Marine resource flows to terrestrial arthropod predators on a temperate island: the role of subsidies between systems of similar productivity. *Oecologia* 157:653-659.
- Palkovacs, E.P., and **D.M. Post**. 2008. Eco-evolutionary interactions between predators and prey: can predator-induced changes to prey communities feedback to shape predator foraging traits? *Evolutionary Ecology Research* 10:699-720.
- Layman, C.A., and **D.M. Post**. 2008. Can stable isotope ratios provide for community-wide measures of trophic structure? Reply. *Ecology* 89:2358-3259.
- Sabo, J. L. and **D. M. Post**. 2008. Quantifying periodic, stochastic and catastrophic variation in the environment using time series of environmental conditions. *Ecological Monographs* 78:19-40.
- Palkovacs, E.P., K.B. Dion, **D.M. Post**, and A. Caccone. 2008. Independent evolutionary origin of landlocked alewife populations and rapid parallel evolution of phenotypic traits. *Molecular Ecology* 17:582-597.
- 2007 **Post, D.M.** 2007. Testing the productive space hypothesis: rational and power. *Oecologia* 153:973-984.
- Post, D.M.**, D.A. Arrington, C.A. Layman, G. Takimoto, J. Quattrochi, and C. G. Montaña. 2007. Getting to the fat of the matter: models, methods and assumptions for dealing with lipids in stable isotope analyses. *Oecologia* 152:179-189. **[The highest annual citation rate in the journal *Oecologia* since 2007. Among the top 5 most cited paper in all ecological journals since 2007. Citations: Web of Sci >800; Google > 1050]**
- Post, D.M.** and G. Takimoto. 2007. Proximate structural mechanisms for variation in food-chain length. *Oikos* 116:775-782.

- Post, D.M.**, M.W. Doyle, J.L. Sabo, and J.C. Finlay. 2007. The problem of boundaries in defining ecosystems: a potential landmine for uniting geomorphology and ecology. *Geomorphology* 89:111-126.
- Layman, C.A., D.A. Arrington, C.G. Montaña and **D.M. post**. 2007. Can stable isotope ratios provide for community-wide measures of trophic structure? *Ecology* 88:42-48. **[ISI Web of Science highly cited paper]**
- 2005 Puth, L.M., and **D.M. Post**. 2005. Studying invasion: have we missed the boat? *Ecology Letters* 8:715-721.
- 2004 Moore, J.C, E.L. Berlow, D.C. Coleman, P.C. de Ruiter, Q. Dong, A. Hastings, N.C. Johnson, K.S. McCann, K. Melville, P.J. Morin, K. Nadelhoffer, A.D. Rosemond, **D.M. Post**, J.L. Sabo, K.M. Scow, M.J. Vanni, and D.H. Wall. 2004. Detritus, trophic dynamics, and biodiversity. *Ecology Letters* 7:584-600.
- 2003 **Post, D.M.** 2003. Individual variation in the timing of ontogenetic niche shifts in largemouth bass. *Ecology* 84:1298–1310.
- 2002 Williams, J.W., **D.M. Post**, L.C. Cwynar, A.F. Lotter, and A.J. Levesque. 2002. Vegetation responses to past rapid climate change. *Geology* 30:971-974.
- Post, D.M.** 2002. The long and short of food-chain length. *Trends in Ecology and Evolution* 17:269-277.
- Post, D.M.** 2002. Using stable isotopes to estimate trophic position: models, methods, and assumptions. *Ecology*, 83:703-718. **[The 4th most cited paper and 2nd highest annual citation rate in the history of the journal *Ecology*. The 2nd most cited paper in all ecological journals since 2002. Identified by ESA as one of the Most Notable Papers published in *Ecology*. Citations: Web of Sci >2500; Google > 3500]**
- 2001 Hairston, H.G., Jr., C.L. Holtmeier, W. Lampert, L.J. Weider, **D.M. Post**, J.M. Fischer, C.E. Cáceres, J.A. Fox, and U. Gaedke. 2002. Natural selection for grazer resistance to toxic cyanobacteria: the evolution of phenotypic plasticity. *Evolution* 55:2203-2214
- Shurin, J., S. Gergel, D. Kaufman, **D. Post**, E. Seabloom, and J. Williams. 2001. Letter: in defense of ecology. *The Scientist* 15:6
- 2000 **Post, D.M.**, M.L. Pace, and N.G. Hairston Jr. 2000. Ecosystem size determines food-chain length in lakes. *Nature* 405:1047-1049.
- Post, D.M.**, M.E. Connors, and D.S. Goldberg. 2000. Prey preference by a top predator and the stability of linked food chains. *Ecology* 81:8-14
- 1999 Hairston, N.G., Jr., W. Lampert, C.E. Cáceres, C.L. Holtmeier, L.J. Weider, U. Gaedke, J.M. Fischer, J.A. Fox, **D.M. Post**. 1999. Rapid evolution revealed by dormant eggs. *Nature* 401:446
- Sanderson, B.L., T.R Hrabik, J.J. Magnuson, and **D.M. Post**. 1999. Cyclic dynamics of a yellow perch (*Perca flavescens*) population in an oligotrophic

- lake: evidence for the role of intraspecific interactions. *Canadian Journal of Fisheries and Aquatic Sciences* 56:1534-1542
- Kitchell, J.F., D.E. Schindler, B.R. Herwig, **D.M. Post**, M.H. Olson, and M. Oldham. 1999. Nutrient cycling at the landscape scale: the role of diel foraging migrations by geese at the Bosque del Apache National Wildlife Refuge, New Mexico. *Limnology and Oceanography* 44:828-836
- 1998 **Post, D.M.**, J.P. Taylor, J.F. Kitchell, M.H. Olson, D.E. Schindler, and B.R. Herwig. 1998. The role of migratory waterfowl as nutrient vectors in managed wetlands. *Conservation Biology* 12:910-920
- Post, D.M.**, J.F. Kitchell, and J.R. Hodgson. 1998. Interactions among adult demography, spawning date, growth rate, predation, overwinter mortality, and the recruitment of largemouth bass in a northern lake. *Canadian Journal of Fisheries and Aquatic Sciences* 55:2588-2600
- 1997 **Post, D.M.**, S.R. Carpenter, D.L. Christensen, K.L. Cottingham, J.F. Kitchell, D.E. Schindler, and J.R. Hodgson. 1997. Seasonal effects of variable recruitment of a dominant piscivore on pelagic food web structure. *Limnology and Oceanography* 42:722-729
- Post, D.M.**, and J.F. Kitchell. 1997. Trophic ontogeny and life history effects on interactions between age-0 fishes and zooplankton. *Archiv für Hydrobiologie, Advances in Limnology* 49:1-12
- Hansson, S., **D.M. Post**, J.F. Kitchell, and T.S. Mc Comish. 1997. Interactions of yellow perch (*Perca flavescens*) and alewife (*Alosa pseudoharengus*) in southern Lake Michigan: a model analysis. Pages 7-20 in Forage Fishes in Marine Ecosystems. Alaska Sea Grant Program. AK-SG-97-01
- 1996 Carpenter, S.R., J.F. Kitchell, K.L. Cottingham, D.E. Schindler, D.L. Christensen, **D.M. Post**, and N. Voichick. 1996. Chlorophyll variability, phosphorus input and grazing: evidence from whole-lake experiments. *Ecology* 77:725-735
- Johnson, J.M. and **D.M. Post**. 1996. Morphological constraints on intra-cohort cannibalism in age-0 largemouth bass. *Transactions of the American Fisheries Society* 125:809-812
- 1995 Carpenter, S.R., D.L. Christensen, J.J. Cole, K.L. Cottingham, X. He, J.R. Hodgson, J.F. Kitchell, S.E. Knight, M.L. Pace, **D.M. Post**, D.E. Schindler, N. Voichick. 1995. Biological control of eutrophication in lakes. *Environmental Science & Technology* 29:784-786
- Post, D.M.**, T.M. Frost, and J.F. Kitchell. 1995. Morphological responses by *Bosmina longirostris* and *Eubosmina tubicen* to changes in copepod predator populations during a whole-lake acidification experiment. *Journal of Plankton Research* 17:1621-1632

MANUSCRIPTS IN REVIEW

DeLong, J.P., T. C. Hanley, J.P. Gibert, L.M. Puth, and **D. M. Post**. Genetic diversity and multiple pathways to stability. Submitted to *Ecology*.

Dutton, C. L., A. L. Subalusky, S. C. Anisfeld, L. Njoroge, E. J. Rosi, **D. M. Post**. The influence of an arid catchment and large wildlife on suspended sediments in the Mara River, Kenya. Submitted to *Plos One*.

Dutton, C.L. A. L. Subalusky, S. K. Hamilton, E. J. Rosi, **D.M. Post**. Subsidy overload: Organic matter excretion by hippopotami causes downstream hypoxia and fish kills. Submitted to *PNAS*.

Okamoto, K.W., L.L. Bowman, S.B. Fey, C.T. Kremer, K. Scranton, F.W. Simon, A.L. Subalusky, P.E. Turner, D.A. Vasseur, D.J. Wieczynski and **D.M. Post**. Distinguishing among eco-evolutionary interactions in a changing world. Submitted to *Ecology Letters*.

Park, J.S., and D.M. Post. Evolutionary history of *Daphnia* drives divergence in consumption preference and alters temporal community dynamics of producers. Submitted to *Ecology and Evolution*.

Subalusky, A.L. C.L. Dutton, E.J. Rosi-Marshall, and **D.M. Post**. Annual mass drownings of the Serengeti wildebeest migration influence nutrient cycling and storage in the Mara River. Submitted to *PNAS*.

BOOKS

2011 Skelly, D.K., **D.M. Post**, and M.D. Smith (Editors). 2011. The art of ecology: the writings of G. Evelyn Hutchinson. Yale University Press.

In prep Foundations of Ecology II: Classic Papers with Commentaries. This book is under contract with the University of Chicago Press, which published the original Foundations of Ecology book. Thomas Miller and Joseph Travis are the editors. I am on the editorial board that has decided which papers will be included and is writing commentaries on the papers.

INVITED SEMINARS

2017 Northeast Fish & Wildlife Conference, Norfolk, VA
Notre Dame, Eminent Scholars in Ecology, Evolution, and Environmental Change Series, Department of Biology,
University of Texas at Arlington, Department of Biology

2016 Chesapeake Biological Laboratory, University of Maryland.

2015 Biomarkers in Trophic Ecology Symposium. Ecological Society of America.

2014 Kellogg Biological Station, Michigan State University.
Northeastern University, Department of Ecol. Evol. and Marine Bio.
UC Santa Cruz, Department of Ecology and Evolutionary Biology.

- 2013 Eco-evolutionary dynamics Ignite session. Ecological Society of America.
Ecosystem Connections Symposium, American Fisheries Society
Rice University, Department of Ecology and Evolutionary Biology
- 2012 Eco-evolutionary dynamics symposium. First joint Congress on Evolutionary
Biology , Ottawa, Canada
Brown University, Department of Ecology and Evolutionary Biology
University of Tennessee, Department of Ecology and Evolutionary Biology
- 2011 Stanford University, Hopkins Marine Stations (graduate student invited
speaker)
University of Oklahoma, Department of Zoology
University of Manitoba, G.E.H. Barrett-Hamilton lecturer, Department of
Biology (graduate student invited speaker)
University of Massachusetts, Program in Organismic and Evolutionary
Biology
University of Massachusetts, Department of Environmental Conservation
University of British Columbia, Department of Zoology (graduate student
invited speaker)
- 2010 Network approaches to understanding complex aquatic ecosystem dynamics
symposium, joint meeting of ASLO and NABS
Ecosystem size: a fundamental driver of processes in freshwaters
symposium, joint meeting of ASLO and NABS
- 2009 Eco-evolutionary dynamics symposium, Ecological Society of America.
100 years of limnology at Cornell symposium, Cornell University
Stable isotopes in ecology symposium, Ecological Society of Japan.
- 2008 Eco-evolution symposium, Silwood Park, Imperial College London.
Cornell University, Biological Field Station
Cornell University, Dept. Ecol. and Evol. Bio.
SUNY Stony Brook, Dept. of Ecology and Evolutionary Biology
- 2007 University of Wyoming, Dept. of Zoology and Physiology (graduate student
invited speaker)
EAWAG, Kastanienbaum, Switzerland.
- 2006 Brown University, Dept. of Ecology and Evolutionary Biology
Dartmouth College, Dept. of Biology
The University of Chicago, Dept. of Ecology and Evolutionary Biology.

- 2005 36th International Binghamton Geomorphology Symposium, Buffalo, NY.
Plenary presentation.
Marine Biological Laboratory, Woods Hole, MA
- 2004 Umeå University, Dept. of Ecology and Environmental Science
Uppsala University, Dept. Ecology and Evolutionary Biology
Harvard University, Harvard Forest
Penobscot River Science Forum, University of Maine. Plenary presentation.
University of Connecticut, Marine Sciences Program Seminar Series
- 2003 Ecological Society of America, Savannah, GA
- 2002 University of Connecticut, Dept. of Ecology and Evolutionary Biology
University of Texas A&M, Wildlife and Fisheries Sciences
Cornell University, Dept. of Ecology and Evolutionary Biology
- 2001 Tenth North American Arctic Goose Conference. Quebec City, Canada.
Plenary presentation
Yale University, Dept. of Ecology and Evolutionary Biology
Washington University, St. Louis, Department of Biology
- 2000 University of California, San Diego, Dept. of Ecol. and Evol. Bio.
University of California, Santa Barbara, Ecol. Evol. & Marine Bio.
- 1999 University of Maine, Department of Biology
Madison Audubon Society, Madison, Wisconsin
- 1996 Stockholm University, Stockholm, Sweden. Dept. Systems Ecology

CONTRIBUTED PAPERS

- 2012 Ecological Society of America, Portland, OR
- 2008 Ecological Society of America, Milwaukee, WI
- 2007 American Society of Limnology and Oceanography, Santa Fe, NM
North American Benthological Society, Charleston, SC
- 2005 Ecological Society of America, Montreal, Canada
- 2002 Ecological Society of America, Tucson, AZ
- 2001 Ecological Society of America, Madison, WI
American Geophysical Union, San Francisco, CA
- 2000 Ecological Society of America, Snowbird, Utah
- 1999 Ecological Society of America, Spokane, Washington

- Annual Meeting of the Pocono Comparative Lakes Program. Lacawac, Pennsylvania
- North American Benthological Society, Duluth, Minnesota
- 1997 American Society of Limnology and Oceanography winter meeting, Santa Fe, New Mexico
- Ecological Society of America, Albuquerque, New Mexico
- 1996 Sevilleta Synthesis Symposium, New Mexico
- Plankton Ecology Group workshop on "Trophic interactions of age-0 fish and zooplankton in temperate waters." Dresden, Germany
- Ecological Society of America, Providence, Rhode Island
- Annual Meeting of the Pocono Comparative Lakes Program. Lacawac, Pennsylvania
- 1995 Ecological Society of America, Snow Bird, Utah
- 1994 Midwest Fish and Wildlife Conference, Indianapolis
- 1993 American Society of Limnology and Oceanography, Edmonton, Alberta, Canada

PROFESSIONAL SERVICE

To Conservation and Policy

- 2009 Scientific Advisor, National Fish and Wildlife Foundation, River Herring Initiative
- 2008 Scientific Advisor, Connecticut Endangered Species Panel for Fish
- 2006 - 2010 Tri-state river herring working group
- 1998 - 1999 Sand County Foundation – Wisconsin River Project. Outreach and education on the Baraboo River dam removal project
- 1983 - 1994 Board of Directors, Wisconsin's Environmental Decade (now Clean Wisconsin; executive board 1990-1992)

To Academics

- 2010 NSF, Dimensions of Biodiversity, Design Charrette
- 2007 - 2010 Biogeosciences Section, Best Paper in Biogeochemistry by a Young Scientists Award Committee, Ecological Society of American.
- 2006 - 2009 Raymond L. Lindeman Award Committee (outstanding paper by a young aquatic scientist), American Society of Limnology and Oceanography
- 2007 - Present Panel Member, US National Science Foundation, Population and Evolutionary Processes Panel, Population and Community Ecology Panels

EDITORIAL SERVICE

- 2009 - 2014 Editor, Ecology Letters

2008 - Present	Foundations of Ecology II: Classic Papers with Commentaries
2002 - 2006	Associate editor, Oecologia
Declined	Associate editor, Canadian Journal of Fisheries and Aquatic Resources
Declined	Editor in Chief, Limnology and Oceanography Bulletin
Declined	Associate Editor, Functional Ecology

PEER REVIEW

Proposals:	European Commission Research Council French National Research Agency Hudson River Foundation National Geographic Society National Science Foundation (USA): Population and evolutionary processes panel (panel member and reviewer); Ecosystem panel (reviewer); Ecology panel (reviewer); Populations and Community Ecology panel (panel member and reviewer); Biological Oceanography (reviewer) Natural Environmental Research Council (UK) Natural Sciences and Engineering Research Council of Canada U.S. Sea Grant U.S. Geological Survey – National Institutes for Water Resource
Manuscripts:	American Naturalist, Aquatic Science, Archiv für Hydrobiologie, Auk, Canadian Journal of Fisheries and Aquatic Sciences, Conservation Biology, Ecology, Ecology Letters, Ecological Applications, Ecological Entomology, Ecological Monographs, Ecological Research, Ecosystems, Freshwater Science, Hudson River Foundation, Hydrobiologia, Journal of Animal Ecology, Journal of Fish Biology, Journal of the North American Benthological Society, Journal of Paleolimnology, Journal of Plankton Research, Journal of Theoretical Biology, Limnology and Oceanography, Marine Biology, Marine Experimental Progress Series, Nature, Nature Communications, Oecologia, Oikos, Philosophical Transactions of the Royal Society B, PlosBio, PlosOne, Polar Biology, Proceedings of the National Academy of Science, Proceedings of the Royal Society B, Regulated Rivers, Science, Theoretical Ecology, Transactions of the American Fisheries Society, Trends in Ecology and Evolution.

SERVICE TO YALE UNIVERSITY

2016 - Present	Advisory Committee for Diversity and Faculty Development in the Faculty of Arts and Sciences
2016 - Present	MacMillan Center Executive Committee
2015 - Present	Campus Resource Team
2014 - Present	Chair, University-Wide Committee on Sexual Misconduct
2014 - Present	Title IX Steering Committee
2014 - 2015	Ad Hoc Committee on Faculty Standards of Conduct

2014 - 2015	Microbial EEB Search Committee (EEB/MSI)
2013 - 2014	Review Committee for the Faculty of Arts and Science
2013 - 2014	YBB and Science/Engineering Planning Committee
2013 - 2016	Co-director, YIBS program on Eco-Evolutionary Dynamics
2012 - 2014	Graduate School of Arts and Sciences Faculty Advisory Committee
2012 - 2014	University-Wide Committee on Sexual Misconduct
2012	Plant Ecology Search Committee (EEB)
2011 - 2013	Director, YIBS Small Grants Program
2011 - 2013	Graduate School of Arts and Sciences, Dean's Advisory Committee on Regulations and Discipline
2011 - 2013	Science Hill Space Planning Advisory Committee
2010 - 2013	Director of Graduate Studies in EEB
2010 - Present	Yale Natural Lands Committee
2010 - 2013	Yale Institutional Animal Care and Use Committee
2010 - 2011	Director, YIBS Center for Field Ecology
2010 - 2013	EEB, New Graduate Student Advisory Committee
2009 - 2015	Faculty Council, Yale Institute for Biospheric Studies
2007, '11-13	Diversity Recruitment Coordinator for EEB
2006 - 2017	Environmental Studies Advisory Committee
2006 - 2010	Assistant Director, YIBS Center for Field Ecology
2006 - 2008, '10	Environmental Summer Internship award committee
2006 - 2007	Ecologists Search Committee (EEB)
2006	Research Scientist Promotion Review for FES
2005 - 2006	Acting Director, YIBS Center for Field Ecology
2004 - Present	Freshman advisor, Timothy Dwight College
2003 - 2004	Peabody Committee on the Future of the Guilford Properties
2003 - 2015	Faculty council, YIBS Earth Systems Center for Stable Isotopic Studies
2002, '04, '06	EEB, Qualifying Exam Committee
2002-04, '06-07	EEB, New Graduate Student Advisory Committee
2002	Behavioral or Physiological Ecologists Search Committee (EEB)
2001	Ecologists Search Committee (EEB)

EDUCATIONAL CONTRIBUTIONS

Courses taught:

2016	General Ecology (EEB 220a/EVST 223a), Responsible Conduct of Research (EEB 545b)
2015	Responsible Conduct of Research (EEB 545b)
2014	General Ecology (EEB 220a/EVST 223a)
2013	General Ecology (EEB 220a/EVST 223a), Advanced Topics in EEB (EEB 500a; EEB 500b), Responsible Conduct of Research (EEB 545b)
2012	General Ecology (EEB 220a/EVST 223a), Advanced Topics in EEB (EEB 500a; EEB 500b), Responsible Conduct of Research (EEB 545b)
2011	General Ecology (EEB 220a/EVST 223a), Problems in Bioethics (EEB 545b), Advanced Topics in EEB (EEB 500a; EEB 500b), Perspectives in Science and Engineering (SCIE 198a)

2010	General Ecology (EEB 220a/EVST 223a), Advanced Topics in EEB (EEB 500a)
2009	General Ecology (EEB 220a); Perspectives in Science (SCIE 198a)
2008	Perspectives in Science (SCIE 198b)
2007	Quantitative Methods in Ecology and Evolution (EEB 678b), General Ecology (EEB 220a), Field Ecology (EEB 230a)
2006	General Ecology (EEB 220a)
2005	Advanced Topics in Ecology and Evolution (EEB 507b)
2004	General Ecology (EEB 220a), Field Ecology (EEB 230a)
2003	General Ecology (EEB 220a), Field Ecology (EEB 230a)

Postdoctoral fellows:

Craig Layman (2004 – 2006), Associate Professor, North Carolina State University.
Gaku Takimoto (2003 - 2006), Associate Professor, Toho University, Japan.
Jennifer Howeth (2008 - 2010), Assistant Professor, University of Alabama.
Jacob Brodersen (2009 - 2010), Group Leader, EAWAG, Switzerland.
Matthew Walsh (2009-2012), Assistant Professor, University of Texas – Arlington.
Torrance Hanley (2009 - 2013), Postdoc, Northeastern University.
Magnus Huss (2012 - 2013), Researcher, Swedish University of Agricultural Sciences

Ph.D. Students:

Eric Palkovacs, 2007, “Feedbacks between ecology and evolution: linking the causes and consequences of functional biodiversity.” Assistant Professor, UC Santa Cruz.
Annika Walters, 2009, “Community and ecosystem level impacts of disturbance in streams.” Assistant Professor, University of Wyoming, and Assistant Unit Leader for Fish, Wyoming Cooperative Fish and Wildlife Unit.
Erika Shielke, 2009, “Ecological consequences of intraspecific variation in a keystone predator.” Teaching Associate, Skidmore College.
Jerome Weis, 2014, “Causes and consequences of competitor diversity in food webs.” Postdoc, University of Minnesota
Andrew Jones, 2014, “Characterizing the extent and drivers of intraspecific variation in alewives.” Postdoc, WHOI
Derek West, 2015, “Impact of climate change on species interactions in temperate lakes.” Postdoc, Illinois Natural History Survey; Lecturer, DePaul University
Amanda Subalusky, 2015, “Effects of animal subsidy form and environmental characteristics on ecosystem function.” Postdoc, Cary Institute of Ecosystem Studies.
Current: Larry Bowman, Christopher Dutton, Katherine Littrell

M.S. Students:

Cornelia Twining (FES), 2012, “Past ecosystem dynamics in Connecticut’s coastal freshwaters: linking paleoecology and nutrient loading models.” Currently a Ph.D. student in EEB at Cornell University.

Ph.D. committees

EEB	Meghan Avolio (PhD 2012), Oliver Balmer (PhD 2006), Jeremy Beaulieu (PhD 2012), Karin Burghardt (PhD 2016), Catherine Burns (PhD 2004), Madelon Case, Cynthia Chang (PhD 2011), Jessica Glass, Torrance Hanley (PhD 2009), Richard Harington (PhD 2012), Holly Kindsvater (PhD 2011), Kim LaPierre (PhD 2013), Eric Lee (PhD 2008), Daniel MacGuigan, Franz Simon
FES	Meredith Atwood (PhD 2016), Rebecca Barnes (PhD 2009), Maura Bozeman (PhD 2012), Holly Jones (PhD 2010)
G&G	Michelle Casey (PhD 2011), Walter Green (PhD 2006), Amelinda Webb (PhD 2013)

Undergraduate Theses

2003	Kelly Maynard (EEB), "Leaf quality and the strength of top-down control in a detritus based food web"
2004	Andrea Kanner (EEB), "Lipid concentrations, carbon stable isotopes, and the need for lipid extraction for food web studies"
2004	Michelle Lee (EEB), "Influence of allochthonous inputs and predator removal on leaf litter decomposition rates." Michelle Lee's thesis became part of Paetzold et al. (2007)
2006	Christopher Dalton (EEB), "Importance of alewives, <i>Alosa pseudoharengus</i> , for parental investment by double crested cormorants, <i>Phalacrocorax auritus</i> ." Christopher received the <i>Boell Award</i> from EEB for his academic achievement and senior thesis. Christopher's thesis resulted in Dalton et al. (2009) and contributed to Jones et al. (2010). Christopher earned his Ph.D. in EEB at Cornell University
2007	Edward Stowe (EEB), "Contribution of alewives to the breeding investment of Double-crested cormorants." Edward received the <i>Boell Award</i> from EEB for his academic achievement and senior thesis. Edward's thesis contributed to Jones et al. (2010)
2009	Elizabeth Mandeville (EEB), "Eco-evolutionary feedbacks of alewives and zooplankton prey: phenotypic convergence in landlocked populations." Elizabeth's thesis contributed to Palkovacs et al. (2014). Elizabeth earned her Ph.D. at U. Wyoming.
2009	Nicholas Olsen (EEB), "Effect of sunlight on benthic invertebrate communities"
2009	Ariel Patashnik (EVST), "The decline and conservation of endangered Lost River and Shortnose Suckers in the Klamath Basin." Ariel earned her M.S. from the Yale School of Forestry and Environmental Studies in 2012. Ariel is a Conservation Specialist at the New Mexico Land Conservancy.
2011	Cornelia Twining (EVST), "Changes in the lakes: the ecological history of two watersheds in south central Connecticut." Cornelia won the <i>Gaylord Donnelley Prize</i> from EVST for her academic achievements. Cornelia's thesis resulted in Twining and Post (2013) and Twining et al. (2013). Cornelia is a Ph.D. student in EEB at Cornell University.

- 2013 Julia Osterman (EVST), "Survival of the Fishes: alewife conservation and effects of alewife on young-of-year Bluegill." Julia works for The Nature Conservancy. Julia's thesis research contributed to Huss et al. 2014.
- 2014 John Park (EEB), "Life history divergence in *Daphnia ambigua* and its multitrophic cascade effects on temporal community composition patterns in phytoplankton." John received the *Boell Award* from EEB for his academic achievement and senior thesis. John is a PhD student at the University of Chicago.
- 2017 Ella Jourdain, James Landefeld, Sara Lee, Joanne Li, Howie Xu.