

## Curriculum Vitae

### David Kiernan Skelly

Professor of Ecology and Associate Dean for Research

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#### Education

1983 - 1987 A. B., Biology, Middlebury College, Vermont, *cum laude*  
1987 - 1992 Ph.D., Department of Biology, University of Michigan, Ann Arbor

#### Professional Positions

1992 - 1993 Postdoctoral Research Fellow, University of Wollongong, Australia  
1993 - 1995 NSF Postdoctoral Fellow, Dept. of Zoology, University of Washington  
1996 -  
    1996 – 2000 Assistant Professor of Ecology  
    2000 – 2003 Associate Professor of Ecology  
    2003 – Professor of Ecology  
    2009 – Associate Dean for Research  
1996 - Adjunct Prof., Dept of Ecology & Evolutionary Biology, Yale University  
2000 - Curator, Division of Vertebrate Zoology, Peabody Museum of Natural History, Yale University  
2001 Visiting Associate Professor, Dept. of Biology, Penn State University  
2003 – 2004 Visiting Scholar, School of Biological Sci, Univ. of Queensland, Australia  
2004 – 2006 Director, Doctoral Program in Organismal and Integrative Biology, Yale University  
2005 – 2009 Chair, Masters Admissions, School of Forestry & Environmental Studies, Yale University  
2009 – Director of Doctoral Studies, School of Forestry & Environmental Studies, Yale University  
2013 – Consulting Faculty, Yale National University of Singapore College

#### Fellowships and Honors

1987 Honors, Undergraduate Thesis, Middlebury College  
1990 - 1991 Rackham Predoctoral Fellowship, University of Michigan  
1992 Rackham Dissertation Fellowship, University of Michigan  
1997, 2001, Award for Teaching Excellence, Yale School of Forestry &  
2003, 2006 Environmental Studies  
2003 – 2004 Guggenheim Fellowship, John Simon Guggenheim Foundation  
2004 – Senior Research Fellowship, The MacMillan Center for International and Area Studies, Yale University  
2011 Fellow, American Association for the Advancement of Science

**Teaching Experience**

- 1987 - 1991 Teaching Assistant, Department of Biology, University of Michigan  
Introductory Biology, General Ecology, Herpetology
- 1995 Instructor, Biodiversity and Conservation Biology, Bureau of Land  
Management Training Course on Threatened and Endangered Species,  
Roseburg, Oregon
- 1996 - Assistant/Associate/Full Professor, Yale University: Aquatic Ecology,  
Conservation Biology, Landscape Ecology, Habitat Conservation  
Planning, Hydro-ecology, Graduate Seminar in Ecology, Doctoral  
Seminar

**Other Professional Experience**

- 1994 Consultant, Sierra Club Legal Defense Fund, Portland, Oregon.
- 1994 – 1995 Consultant, Association of Forest Service Employees for Environmental  
Ethics, Portland, Oregon.
- 1997 - 1998 Member, Working Group on Habitat Conservation Plans, National Center  
for Ecological Analysis and Synthesis, Santa Barbara, California.
- 1997 - 2000 Member, Biodiversity Forum, Connecticut Chapter of The Nature  
Conservancy.
- 1999 Consultant, National Park Service/Environmental Protection Agency, Mid  
Continent Ecology Lab, Duluth, Minnesota.
- 2002, 2003 Panelist, Ecology Program, Doctoral Dissertation Improvement Grants,  
Division of Environmental Biology, National Science Foundation.
- 2002 - Endangered Species Advisory Committee, Department of Environmental  
Protection, State of Connecticut.
- 2002 – 2007 Director of Postdoctoral Studies, School of Forestry & Environmental  
Studies, Yale University
- 2003 - 2009 Editorial Board, Ecology/Ecological Monographs, Ecological Society of  
America
- 2003 Science Advisory Panelist, U.S. Environmental Protection Agency.  
Review of Atrazine effects on Amphibians
- 2005 National Ecological Observatory Network (NEON) Design Consortium,  
Science and Human Dimensions Committee
- 2005 Panelist, Ecological Biology, Division of Environmental Biology,  
National Science Foundation
- 2005 - Board Member, Madison Land Conservation Trust, Madison, Connecticut
- 2007 Faculty Leader, Association of Yale Alumni Trip, New Zealand
- 2007 Panelist, Ecological Biology, Division of Environmental Biology,  
National Science Foundation
- 2007 Science Advisory Panelist, U.S. Environmental Protection Agency.  
Review of Atrazine effects on Amphibians
- 2009 Faculty Leader, Association of Yale Alumni Trip, Mexico
- 2009 - Board of Directors, Connecticut Trust for Public Land
- 2011 - Judge, Blavatnik Awards for Young Scientists, NY Academy of Sciences
- 2012 Panelist, Ecology Program, Division of Environmental Biology, National  
Science Foundation.

- 2012-13 Science Advisory Panelist, Annual Report on the Environment, U.S. Environmental Protection Agency (scheduled)  
2012-13 Chair, Env'tl. Studies Search Committee, Yale-NUS College, Singapore  
2013 Chair, External Visiting Comm, Env'tl Studies Dept, UC Santa Cruz

**Selected Grants**

- 1992 – 1993 Australian Flora and Fauna Research Program, University of Wollongong. \$AU 40,785  
1993 – 1995 National Science Foundation Postdoctoral Fellowship in Environmental Biology. \$69,600  
1997 – 2000 NSF/EPA Water and Watersheds Program: Connecting Ecological and Social Systems: watershed research relating ecosystem function to human values and socioeconomic behaviors. \$750,000. (with G. Benoit, S. Kellert, M. Ashton, P. Barten, and L. Bennett)  
1997 – 2003 National Science Foundation LTREB: A long term survey of Michigan amphibian assemblages. \$300,000. (with E. Werner and R. Relyea)  
2000 – 2003 NIH/NSF Ecology of Infectious Diseases Program: Wetland urbanization gradients and the ecology of vector borne diseases. \$1,500,000. (with D. Cavener and K. Shea)  
2002 – 2007 CDC Fellowship Training Program: Vector Borne Disease. \$1,300,000. (with D. Fish and others)  
2004 – 2006 Director's Award, Yale Center for International and Area Studies. \$10,000  
2005 – 2010 National Science Foundation LTREB: A Long-Term Study of Metacommunity Dynamics of Amphibians and Their Predators. \$300,000. (with E. Werner, R. Relyea, & K. Yurewicz)  
2005 – 2006 Connecticut Institute of Water Resources. Gonadal abnormalities in Connecticut Amphibians, \$18,040  
2005 – 2010 Department of Defense (Army Research Office), Scalable Control of Networked Autonomous and Semi-Autonomous Vehicle Swarms Inspired by Nature, \$250,000 (with V. Kumar and others)  
2006 – 2007 National Science Foundation, Evolutions: A Museum-Based After School Program, \$75,000 (PI: D. Skelly)  
2007 – 2010 National Science Foundation, Urbanization and macroparasite infection of amphibians, \$250,000 (PI: D. Skelly)  
2007 – 2008 Eppley Foundation, Rapid evolution in response to fire ants, \$25,200 (CoPIs: T. Langkilde and D. Skelly)  
2010 – 2012 National Science Foundation, Doctoral Dissertation Improvement Grant, \$15,000 (PI: D. Skelly; Co PI: S. Brady)  
2010 – 2011 Richard P. Garmany Fund, Hartford Foundation for Public Giving, \$30,000 (PI: D. Skelly)  
2011 National Geographic Society/Waitt Foundation, \$14,900 (PI: D. Skelly)  
2012 Quinnipiac River Fund, \$10,500 (PI: D. Skelly)

**Invited Seminars & Symposia**

- 1993 Department of Biological Sciences, University of New South Wales

## Curriculum Vitae

David Kiernan Skelly

- Division of Wildlife & Ecology, CSIRO, Canberra  
University of Technology, Sydney  
Department of Biology, Middlebury College
- 1994 Department of Organismal & Evolutionary Biology, Harvard University
- 1995 School of Forestry & Environmental Studies, Yale University  
Cary Conference VI, Institute of Ecosystem Studies  
Amphibian Symposium, Society of Northwestern Vertebrate Biologists
- 1996 College of Forest Resources, University of Washington  
The Ecosystems Center, Woods Hole
- 1997 Department of Zoology, University of Oklahoma  
Department of Biology & Medicine, Brown University  
Department of Biology, University of Rhode Island  
Department of Ecology & Evolutionary Biology, Univ. of Connecticut  
Department of Biology, Columbia University  
Vernal Pools Symposium, Conn. Dept. of Env'tl. Protection
- 1998 Division of Biological Sciences, University of Missouri  
Mountain Lake Biological Station, University of Virginia  
Wildlife Biology Program, University of Montana
- 1999 Department of Wildlife Ecology, University of Maine  
Department of Biology, University of Maine  
Department of Biology, Wheaton College  
Department of Biology, City College of New York  
Department of Zoology, University of British Columbia  
Department of Forest Sciences, University of British Columbia  
Department of Biology, University of Victoria
- 2000 Society of American Foresters, Connecticut
- 2001 Ecology Program, Pennsylvania State University  
Department of Biology, University of Massachusetts
- 2002 Department of Ecology & Evolutionary Biology, Yale University  
National Marine Fisheries Service, Seattle  
City University of New York  
Institution for Social and Policy Studies, Yale University
- 2003 Department of Biology, Boston University  
Department of Biology, Arizona State University  
Association of Massachusetts Wetland Scientists  
Wetland Symposium, The Wildlife Society

- Department of Biology, University of Maryland  
Department of Biology, McGill University
- 2004      School of Tropical Biology, James Cook University, Queensland  
Applied & Environmental Sciences, Griffith University, Queensland  
School of Biological Sciences, University of Queensland  
Department of Anatomy & Neurobiology, Dalhousie University  
Institute for Ecosystem Studies, Millbrook, New York  
Department of Natural Sciences, Bennington College
- 2005      Plenary Presentation, Australian Society of Herpetology  
Dept of Ecology and Evolutionary Biology, Cornell University  
Cornell Herpetological Society  
Department of Biology, University of New Orleans  
School of Engineering & Applied Sciences, Univ. of Pennsylvania  
Declining Amphibians Symposium, 5<sup>th</sup> World Herpetology Congress,  
South Africa  
Robotics Conference, Napa, California  
Science Saturdays Program for Children, Yale University
- 2006      John Ostrom Lecture, Peabody Museum, Yale University  
Sigma Xi Lecture, Program in Environmental Science, Pace Univ.  
Center for Integrative Geosciences, University of Connecticut  
Peabody Museum Teachers' Institute  
Mark W. Gould Lecture Series, Rhode Island Natural History Survey  
Dept of Natural Resource Conservation, Univ. Massachusetts, Amherst
- 2007      Mianus River Watershed Council, Stamford, Connecticut  
Lecturer, Association of Yale Alumni Educational Travel, New Zealand  
Swarming in Natural and Engineered Systems, Univ. of Pennsylvania  
Connecticut Forest Science Forum
- 2008      Natural Resources, University of Connecticut  
Ecology Program, Duke University  
Ecology Center, Utah State University  
Yale Institute of Biospheric Studies  
New England Assoc. of Resource Conservation & Development Councils  
Dept of Natural Resource Conservation, Univ. Massachusetts
- 2009      Ecology and Evolution, University of California Davis  
Lecturer, Assoc. of Yale Alumni Educational Travel, Sea of Cortez  
Keynote Speaker, Guilford Land Trust Annual Meeting  
Pomperaug River Watershed Coalition, Southbury, Connecticut  
Cornell Herpetological Society, Cornell University
- 2010      Hudson River Environmental Society

Department of Biology, Reed College  
 Keynote Speaker, Simsbury Land Trust Annual Meeting  
 National Association of Science Writers Annual Meeting  
 Westchester Conservation Café, Greenburgh, NY

- 2011      Transportation Research Board Annual Meeting, Wash. DC  
 Department of Biology, Connecticut College  
 2011 Water Science Forum, New England Interstate Water Pollution  
 Control Commission, Portland, Maine  
 Program in Ecology, University of Wyoming  
 Department of Ecology & Evolutionary Bio., Brown University  
 League of Women Voters, Greenwich, Connecticut  
 Department of Biology, Georgia Tech
- 2012      Organizer, AAAS Symposium: “The future of ecological communities  
 under climate change. No analog?” Vancouver, BC  
 Yale Institute of Biospheric Studies, Director’s Seminar  
 Environment Initiative, Georgetown University
- 2013      Wildlife Ecology Program, University of Maine  
 Leadership Council, Yale Peabody Museum  
 Keynote Address, Graduate Student Symposium, Yale EEB  
 Co-Organizer, EarlFest Symposium in honor of Prof. Earl Werner  
 Plenary, Student Conference on Conservation Science, NY (scheduled)  
 Department of Biology, Rice University (scheduled)

## Publications

### *Book*

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

### *Manuscripts in Review and Preparation*

Smits, A., D. K. Skelly and S. R. Bolden. *in revision*. Amphibian intersex in suburban landscapes. *Ecosphere*.

Werner, E. E., D. K. Skelly, R. A. Relyea, C. J. Davis, and Kerry L. Yurewicz. *in revision*. The abundance-occupancy relationship: a metacommunity perspective. *American Naturalist*.

**Skelly, D. K.**, L. K. Freidenburg, and S. R. Bolden. *in review*. Experimental Canopy Removal Enhances Diversity of Vernal Pond Amphibians. For Ecological Applications.

Benard, M. F., C. J. Davis, R. A. Relyea, **D. K. Skelly**, E. E. Werner, K. Yurewicz. *in preparation*. Does pond area or terrestrial habitat constrain Wood Frog population size? Ecology.

Richardson, J.L., M.C. Urban, and **D.K. Skelly**. *in preparation*. Evolution in small spaces: microgeographic adaptation in Nature. Trends in Ecology and Evolution. (Invited Review)

### ***Peer-Reviewed Publications***

Urban, M.C., P.L. Zarnetske, and **D. K. Skelly**. 2013. Moving forward: Dispersal and species interactions determine biotic responses to climate change. *Annals of the New York Academy of Sciences*. (DOI: 10.1111/nyas.12184).

**Skelly, D. K.** 2013. Learning from deformed frogs (book review). *BioScience* 63:140-141.

**Skelly, D. K.** 2013. G. Evelyn Hutchinson. *Oxford Biographies*. Oxford University Press, New York: Oxford University Press.

Balmori, D. and **D. K. Skelly**. 2012. Crossing to sustainability: a role for design. *Ecological Restoration*. 30:363-367 (Images: 30:350-352).

Rogalski, M. A., and **D. K. Skelly**. 2012. Positive effects of nonnative invasive *Phragmites australis* on Larval Bullfrogs. *PLoS ONE* 7:e44420.

Zarnetske, P. L., **D. K. Skelly**, M. C. Urban. 2012. Biotic multipliers of climate change. *Science* 336:1516-1518.

Hoverman, J. T., C. J. Davis, E. E. Werner, **D. K. Skelly**, R. A. Relyea, and K. L. Yurewicz. 2011. Environmental gradients and the structure of freshwater snail communities. *Ecography* 34:1049-1056.

**Skelly, D. K.** and L. K. Freidenburg. 2011. *Applied Ecology in Oxford Bibliographies Online: Ecology*. Ed. EIC Christopher Key Chapple. New York: Oxford University Press.

Warren, R. J., II, **D. K. Skelly**, O. J. Schmitz, and M. Bradford. 2011. Universal ecological patterns in college basketball communities. *PLoS ONE* 6: e17342.

- Skelly, D. K.**, S. R. Bolden, and K. Dion. 2010. Intersex amphibians concentrated in suburban and urban landscapes. *EcoHealth*.7:374-379. [*Recommended by Faculty of 1000*]
- Skelly, D. K.** 2010. A climate for contemporary evolution. *BMC Biology* 8:136.
- Skelly, D. K.** and L. K. Freidenburg. 2010. Evolutionary responses to climate change. In: *Encyclopedia of Life Sciences (ELS)*. John Wiley & Sons. Chichester.
- Skelly, D. K.** and M. F. Benard. 2010. Mystery unsolved: missing limbs in deformed amphibians. *Journal of Experimental Zoology B: Molecular and Developmental Evolution*. 314B:179-181.
- Kerby, J., K. Richards-Hrdlicka, A. Storfer, and **D. K. Skelly**. 2009. An examination of amphibian sensitivity to environmental contaminants: Are amphibians poor canaries? *Ecology Letters* 12:1-8. [*Recommended by Faculty of 1000*]
- Ligon, N. F., and **D. K. Skelly**. 2009. Cryptic divergence: countergradient variation in the wood frog. *Evolutionary Ecology Research* 11:1099-1109.
- Skelly, D. K.**, and J. L. Richardson. 2009. Larval sampling. Chapter 4 in *Amphibian Ecology and Conservation: A Handbook of Techniques*. (C. K. Dodd, Editor). Oxford University Press.
- Werner, E. E., R. A. Relyea, K. L. Yurewicz, **D. K. Skelly**, and C. J. Davis. 2009. Comparative landscape dynamics of two anuran species: climate driven interaction of local and regional processes. *Ecological Monographs* 73:509-521. [*Recommended by Faculty of 1000*]
- McCauley, S. J., C. J. Davis, R. A. Relyea, K. L. Yurewicz, **D. K. Skelly**, and E. E. Werner. 2008. Metacommunity patterns in larval odonates. *Oecologia*. 158:329-342.
- Schwager, M., F. Bullo, **D. Skelly**, and D. Rus. 2008. A Ladybug Exploration Strategy for Distributed Adaptive Coverage Control. Proceedings of International Conference on Robotics and Automation, Pasadena.
- Urban, M. C., B. L. Phillips, **D. K. Skelly** and R. Shine. 2008. A toad more traveled: the heterogeneous invasion dynamics of cane toads in Australia. *American Naturalist*. 171:E134-E138.
- Skelly, D. K.** 2007. The Ailing Invader. *Proceedings of the National Academy of Sciences USA*. 104:17561-17562.

- Skelly, D. K.**, L. N. Joseph, H. P. Possingham, L. K. Freidenburg, T. J. Farrugia, M. T. Kinnison & A. P. Hendry. 2007. Evolutionary responses to climate change. *Conservation Biology* 21:1353-1355.
- Werner, E. E., K. L. Yurewicz, **D. K. Skelly**, and R. A. Relyea. 2007. Turnover in an amphibian metacommunity: the role of local and regional factors. *Oikos* 116:1713–1725. [*Recommended by Faculty of 1000*]
- Werner, E. E., **D. K. Skelly**, R. A. Relyea and K. L. Yurewicz. 2007. Amphibian species richness across environmental gradients. *Oikos* 116:1697-1712.
- Skelly, D. K.**, S. R. Bolden, L. K. Freidenburg, N. A. Freidenfelds, and R. Levey. 2007. *Ribeiroia* infection is not responsible for Vermont Amphibian Deformities. *EcoHealth* 4:156-163.
- Semlitsch, R. D. and **D. K. Skelly**. 2007. Ecology and conservation of pool breeding amphibians. Pages 127-148 in *Vernal Pools: Ecology and Conservation of Seasonal Wetlands in Northeastern North America* (A. Calhoun and P. deMaynadier, Editors). CRC Press. ISBN 0849336759
- Urban, M. C., B. Philips, **D. K. Skelly**, and R. Shine. 2007. The cane toad's (*Bufo marinus*) increasing ability to invade Australia is revealed by a dynamically updated range model. *Proceedings of the Royal Society of London B* 274:1413-1419. [*Recommended by Faculty of 1000*]
- Holland, M. P., **D. K. Skelly**, M. Kashgarian, S. R. Bolden, L. M. Harrison, M. Cappello. 2007. Echinostome infection in green frogs is stage and age dependent. *Journal of Zoology* 271:455-462.
- Halverson, M. A., **D. K. Skelly** and A. Caccone. 2006. Inbreeding linked to amphibian survival in the wild but not in the laboratory. *Journal of Heredity* 97:499-507.
- Urban, M. C. and **D. K. Skelly**. 2006. Evolving metacommunities: Toward an evolutionary perspective on metacommunities (Concepts & Synthesis). *Ecology* 87:1616–1626.
- Skelly, D. K.** 2006. Declining amphibians (M. Lannoo, Editor) [book review] *Herpetological Review* 37:123-125.
- Halverson, M. A., **D. K. Skelly** and A. Caccone. 2006. Kin distribution among amphibian larvae in the wild. *Molecular Ecology* 15:1139-1145.
- Skelly, D. K.**, S. R. Bolden, M. P. Holland, L. K. Freidenburg, N. A. Freidenfelds, and T. R. Malcolm. 2006. Urbanization and disease in amphibians. Pages 153-167 in S. Collinge and C. Ray (Eds.) *Ecology of disease: community context and pathogen dynamics*. Oxford University Press.

- Urban, M. C., **D. K. Skelly**, D. Burchsted, W. Price, and S. Lowry. 2006. Stream communities across a rural-urban landscape gradient. *Diversity & Distributions* 12:337-350. [Recommended by Faculty of 1000]
- Brownstein, J., **D. K. Skelly**, T. Holford, and D. Fish. 2005. Forest fragmentation predicts local scale heterogeneity of Lyme disease risk. *Oecologia* 146:469-475.
- Taylor, B., **Skelly, D. K.**, Demarchis, L. K., Slade, M. D., Rabinowitz, P. M. 2005. Proximity to pollution sources and risk of amphibian limb deformity. *Environmental Health Perspectives* 113:1497-1501.
- Skelly, D. K.**, M. A. Halverson, L. K. Freidenburg, and M. C. Urban. 2005. Canopy closure and amphibian diversity in forested wetlands. *Wetlands Ecology and Management* 13: 261–268.
- Skelly, D. K.** 2005. Experimental venue and estimation of interaction strength: reply. *Ecology* 86:1068-1071.
- Freidenburg, L. K., and **D. K. Skelly**. 2004. Microgeographical variation in thermal preference by an amphibian. *Ecology Letters* 7:369-373.
- Skelly, D. K.** 2004. Microgeographic countergradient variation in the wood frog, *Rana sylvatica*. *Evolution* 58: 160-165.
- Skelly, D. K.**, K. L. Yurewicz, E. E. Werner, and R. A. Relyea 2003. Estimating decline and distributional change in amphibians. *Conservation Biology* 17:744-751.
- Halverson, M. A., **D. K. Skelly**, J. M. Kiesecker, and L. K. Freidenburg 2003. Forest mediated light regime linked to amphibian distribution and performance. *Oecologia* 134:360-364.
- Skelly, D. K.** 2003. How to write a successful Doctoral Dissertation Improvement Grant proposal. *Bulletin of the Ecological Society of America* 84:137-138.
- Skelly, D. K.**, and J. Golon. 2003. Assimilation of natural benthic substrates by two species of tadpoles. *Herpetologica* .
- Skelly, D. K.**, L. K. Freidenburg, and J. M. Kiesecker. 2002. Forest canopy and the performance of larval amphibians. *Ecology* 83:983-992.
- Skelly, D. K.** 2002. Experimental venue and estimation of interaction strength. *Ecology* 83:2097-2101.

- Skelly, D. K.** 2002. Landscape Ecology. McGraw-Hill Encyclopedia of Science and Technology [www.AccessScience.com].
- Harding, E. K. and the NCEAS Habitat Conservation Plan Working Group. 2001. The scientific foundations of habitat conservation plans: a quantitative assessment. *Conservation Biology* 15:488-500.
- Skelly, D. K.** and J. M. Kiesecker. 2001. Design and outcome in ecological experiments: manipulations of larval anurans. *Oikos* 94:198-208.
- Skelly, D. K.** 2001. Distributions of pond-breeding anurans: an overview of mechanisms. *Israel Journal of Zoology* 47:313-332. [special issue on the ecology of temporary pools]
- Anholt, B. R., E. E. Werner, and **D. K. Skelly**. 2000. Effects of food and predators on the activity of four larval ranid frogs. *Ecology* 81:3509-3521.
- Skelly, D. K.**, K. H. Beard, and N. Hengartner. 2000. Animal-distribution modelling in gap analysis: an evolving science. *Conservation Biology* 14:1224-1225.
- Skelly, D. K.** and L. K. Freidenburg. 2000. Effects of beaver on the thermal biology of an amphibian. *Ecology Letters* 3:483-486.
- Skelly, D. K.** 2000. Patterns of distribution of amphibians: a global perspective (W. E. Duellman, Editor) [book review]. *Quarterly Review of Biology* 75:469.
- Beard, K. H., N. Hengartner, and **D. K. Skelly**. 1999. Effectiveness of predicting breeding bird distributions using probabilistic models. *Conservation Biology* 13:1108-1116.
- Skelly, D. K.**, E. E. Werner, and S. A. Cortwright. 1999. Long-term distributional dynamics of a Michigan amphibian assemblage. *Ecology* 80:2326-2337 .
- Skelly, D. K.** 1999. Experimental Ecology: issues and perspectives (W. J. Resetarits & J. Bernardo, Editors) [book review]. *Copeia* 1999:1137-1138.
- Kareiva, P., S. Andelman, D. Doak, B. Elderd, M. Groom, J. Hoekstra, L. Hood, F. James, J. Lamoreux, G. Lebuhn, C. McCulloch, J. Regetz, L. Savage, M. Ruckelshaus, **D. Skelly**, H. Wilbur and K. Zamudio. 1998. Using science in habitat conservation plans. American Institute of Biological Sciences.
- Kareiva, P., **D. Skelly**, and M. Ruckelshaus. 1997. Reevaluating the use of models to predict the consequences of habitat loss and fragmentation. Pages 156-166 in (S. T. A. Pickett, R. S. Ostfeld, M. Shachak, and G. E. Likens, Editors), *Enhancing the ecological basis of conservation: heterogeneity, ecosystem function, and biodiversity*, Chapman and Hall, New York.

- Skelly, D. K.** 1997. Tadpole communities. *American Scientist* 85:36-45.
- Skelly, D. K.** and E. Meir. 1997. Rule-based models for evaluating mechanisms of distributional change. *Conservation Biology* 11:531-538.
- Anholt, B. R., **D. K. Skelly**, and E. E. Werner. 1996. Factors modifying antipredator behavior in larval toads. *Herpetologica* 52: 301-313.
- Skelly, D. K.** 1996. Pond drying, predators, and the distribution of *Pseudacris* tadpoles. *Copeia* 1996:599-605.
- Wellborn, G. A., **D. K. Skelly**, and E. E. Werner. 1996. Mechanisms creating community structure across a freshwater habitat gradient. *Annual Review of Ecology and Systematics* 27:337-363.
- Skelly, D. K.** 1995. A behavioral trade-off and its consequences for the distribution of *Pseudacris* treefrog larvae. *Ecology* 76:150-164.
- Skelly, D. K.** 1995. Competition and the distribution of spring peeper larvae. *Oecologia* 103:203-207.
- Skelly, D. K.** 1994. Activity level and the susceptibility of anuran larvae to predation. *Animal Behaviour* 47:465-468.
- Jones, T. R., **D. K. Skelly**, and E. E. Werner. 1993. *Ambystoma tigrinum tigrinum* (Eastern Tiger Salamander). Developmental polymorphism. *Herpetological Review* 24:147-148.
- Skelly, D. K.** 1992. Field evidence for a cost of behavioral antipredator response in a larval amphibian. *Ecology* 73:704-708.
- Skelly, D. K.**, and E. E. Werner. 1990. Behavioral and life historical responses of larval American toads to an odonate predator. *Ecology* 71:2313-2322.
- Sheldon, S. P., and **D. K. Skelly**. 1990. Differential colonization and growth of algae and ferromanganese bacteria in a mountain stream. *Journal of Freshwater Ecology* 5:475-485.

### Media Coverage

PBS Nature Documentary Series, National Public Radio – Talk of the Nation Science Friday, National Public Radio – All Thing Considered, AP, BBC, CNN, Science Magazine, New York Times, Washington Post, Agence France Press, Environment: Yale Magazine, Harper’s Magazine, Environmental News Network, National Geographic.com, Nature Science Update, BBC Wildlife Magazine, Boston Globe, Connecticut Public

Radio, Hartford Courant, Kansas City Star, Yale Alumni Magazine, Yale Medicine Magazine, Middlebury Magazine, Wildlife News, Australian Broadcasting Corporation, WTIC Radio.

**Peer Reviewer**

National Science Foundation, Australian Research Council, Department of Defense, Environmental Defense, Environmental Protection Agency, National Science and Engineering Research Council of Canada, Swiss National Science Foundation, National Geographic Society, The Nature Conservancy, U.S. Fish & Wildlife Service, U. S. National Park Service.

American Naturalist, Animal Behaviour, Behavioral Ecology, Biological Conservation, Biological Invasions, Biological Journal of the Linnean Society, Canadian Journal of Fisheries and Aquatic Sciences, Canadian Journal of Forest Research, Canadian Journal of Zoology, Columbia University Press, Conservation Biology, Copeia, Ecological Applications, Ecology/Ecological Monographs, Ecology Letters, Environmental Science & Technology, Herpetologica, Hydrobiologia, Israel Journal of Zoology, Journal of Applied Ecology, Journal of Experimental Zoology, Journal of Herpetology, Journal of Wildlife Management, Nature Climate Change, Northeastern Naturalist, Oecologia, Oikos, PNAS, Princeton University Press, Proceedings of the Royal Society Series B, Quarterly Review of Biology, Sinauer Associates, Wetlands, Yale University Press.

**Doctoral Students**

1998 – 2003 Heinrich zu Dohna (Project Scientist, UC Davis)  
2000 – 2005 M. Anders Halverson (Research Assoc., Univ. of Colorado)  
2001 – 2006 Mark C. Urban (Asst Prof, Univ of Connecticut)  
2003 – 2008 Manja P. Holland (Graham Institute, Univ of Michigan)  
2003 – 2008 Eric H. Lee  
2006 – 2012 Jonathan L. Richardson  
2007 – Steven P. Brady  
2009 – Mary A. Rogalski  
2011 – Meredith Atwood

**Postdoctoral Associates**

1997 – 1999 Joseph Kiesecker (TNC Wyoming)  
2002 – 2005 Linda Puth (Research Associate, Yale University)  
2005 – 2007 Tracy Langkilde (Asst. Prof., Penn State University, winner of ESA Mercer Award for Yale-based research)  
2011 – Phoebe L. Zarnetske (Asst. Prof., Mich. State as of Aug., 2013)  
2012 – Arthur Middleton

**Visiting Researchers**

2000 – 2001 Erica Crespi (Washington State University)

## **Curriculum Vitae**

**David Kiernan Skelly**

2002 – 2003 Claire Doutrelant (CNRS, Montpellier, France)

2011- 2012 Peter Smith (Dept. of Comparative Medicine, Yale School of Medicine)