

hubbisi. *Evolution* 63(2):561-567.

Allan, B.F., **Langerhans, R.B.**, Ryberg, W.A., et. al. Ecological correlates of risk and incidence of West Nile Virus in the United States. *Oecologia* 158(4):699-708.

*Featured in dozens of online media outlets (e.g., AOL News, Science Daily), several newspapers (e.g., *St. Louis Post-Dispatch*, *Oklahoma City Examiner*).

2008 **Langerhans, R.B.** Predictability of phenotypic differentiation across flow regimes in fishes. *Integrative and Comparative Biology* 48(6):750-768.

Langerhans, R.B. Coevolution. Pages 644-648 in S.E. Jørgensen and B.D. Fath, eds. General Ecology. Vol. 1 of Encyclopedia of Ecology. Oxford, Elsevier.

2007 **Langerhans, R.B.**, Gifford, M.E. and Joseph, E.O. Ecological speciation in *Gambusia* fishes. *Evolution* 61(9):2056-2074.

*Received R.A. Fisher Prize (best dissertation paper in 2007 in *Evolution*), Faculty of 1000 rating of 'Exceptional' (top 1% of publications), featured in Editors' Choice section of *Science*.

Langerhans, R.B., Chapman, L.J. and DeWitt, T.J. Complex phenotype-environment associations revealed in an East African cyprinid. *Journal of Evolutionary Biology* 20(3):1171-1181.

Landesman, W.J., Allan, B.F., **Langerhans, R.B.**, Knight, T.M. and Chase, J.M. Inter-annual associations between precipitation and human incidence of West Nile Virus in the United States. *Vector Borne and Zoonotic Diseases* 7(3):337-343.

*Featured in *St. Louis Post-Dispatch*.

Revell, L.J., Harmon, L.J., **Langerhans, R.B.** and Kolbe, J.J. A phylogenetic approach to determining the importance of constraint on phenotypic evolution in the neotropical lizard *Anolis cristatellus*. *Evolutionary Ecology Research* 9(2):261-282.

2006 Losos, J.B., Schoener, T.W., **Langerhans, R.B.** and Spiller, D.A. Rapid temporal reversal of predator-driven natural selection. *Science* 314(5802): 1111.

*Featured in many media outlets (e.g., *National Geographic News*, *The Times of London*, *Washington Post*, *New York Post*, *Scientific American*), Faculty of 1000 rating of 'Recommended'.

Langerhans, R.B., Knouft, J.H. and Losos, J.B. Shared and unique features of diversification in Greater Antillean *Anolis* ecomorphs. *Evolution* 60(2):362-369.

Langerhans, R.B. Evolutionary consequences of predation: avoidance, escape, reproduction, and diversification. Pages 177-220 in A.M.T. Elewa, ed. *Predation in organisms: a distinct phenomenon*. Heidelberg, Springer-Verlag.

2005 **Langerhans, R.B.**, Layman, C.A. and DeWitt, T.J. Male genital size reflects a tradeoff between attracting mates and avoiding predators in two livebearing fish species.

Proceedings of the National Academy of Sciences, U.S.A. 102(21):7618-7623.

*Featured in undergraduate texts (e.g., *Evolutionary Analysis, Biology of Fishes*), and in hundreds of media outlets, including MSNBC, Yahoo! News, dozens of U.S. newspapers (e.g., *Chicago Tribune, Dallas Morning News, Los Angeles Times, Philadelphia Inquirer*), dozens of international newspapers (e.g., *The Times of London, Toronto Star, Folha de Sao Paulo, The Australian*), the Canadian Broadcasting Company, and National Public Radio.

Layman, C.A., **Langerhans, R.B.** and Winemiller, K.O. Body size, not other morphological traits, characterizes cascading effects in fish assemblage composition following commercial netting. *Canadian Journal of Fisheries and Aquatic Sciences* 62(12):2802-2810.

Dayton, G.H., Saenz, D., Baum, K.A., **Langerhans, R.B.** and DeWitt, T.J. Body shape, burst speed and escape behavior of larval anurans. *Oikos* 111(3):582-591.

2004 **Langerhans, R.B.**, Layman, C.A., Shokrollahi, A.M. and DeWitt, T.J. Predator-driven phenotypic diversification in *Gambusia affinis*. *Evolution* 58(10):2305–2318.

Langerhans, R.B. and DeWitt, T.J. Shared and unique features of evolutionary diversification. *American Naturalist* 164(3):335-349.

Layman, C.A., Arrington, D.A., **Langerhans, R.B.** and Silliman, B.R. Degree of fragmentation affects fish assemblage structure in Andros Island (Bahamas) estuaries. *Caribbean Journal of Science* 40(2):232-244.

Kosciuch, K. and **Langerhans, R.B.** Evolution of coloniality via commodity selection: what about variance? *Auk* 121(1):257-262.

DeWitt, T.J. and **Langerhans, R.B.** Integrated solutions to environmental heterogeneity: theory of multimoment reaction norms. Pages 98-111 in T.J. DeWitt and S.M. Scheiner, eds. *Phenotypic Plasticity. Functional and Conceptual Approaches*. New York, Oxford University Press.

Layman, C.A., Arrington, D.A., **Langerhans, R.B.** and Silliman, B.R. Effects of estuarine fragmentation on fish assemblage structure on Andros Island. *Bahamas Journal of Science* 12(1):29-38.

2003 **Langerhans, R.B.**, Layman, C.A., Langerhans, A.K. and DeWitt, T.J. Habitat-associated morphological divergence in two Neotropical fish species. *Biological Journal of the Linnean Society* 80:689-698.

DeWitt, T.J. and **Langerhans, R.B.** Multiple prey traits, multiple predators: keys to understanding complex community dynamics. *Journal of Sea Research* 49:143-155.

2002 **Langerhans, R.B.** and DeWitt, T.J. Plasticity constrained: over-generalized induction cues cause maladaptive phenotypes. *Evolutionary Ecology Research* 4:857-870.

GRANTS AND ACADEMIC AWARDS

- 2009 National Science Foundation, “Collaborative research: Human-induced phenotypic variation in endemic livebearing fish” (with C.A. Layman) (2009-2012). \$393,996
- American Society of Naturalists, Young Investigators Prize (outstanding and promising work by investigators who received their doctorates in the three years preceding the application deadline or who are in their final year of graduate school). \$1200
- 2008 Society for the Study of Evolution, R.A. Fisher Prize (best paper published in *Evolution* in 2007 based on a Ph.D. dissertation). \$1000
- 2007 National Science Foundation Integrative Graduate Education and Research Traineeship (IGERT), Program in Biomechanics (2007-2008).
- 2007 Society for the Study of Evolution Travel Award to attend the Evolution 2007 meeting in Christchurch, New Zealand. \$750
- UCLA Institute of the Environment Travel Award to attend a summit on Evolutionary Change in Human-altered Environments in Los Angeles, California. \$450
- 2006 National Science Foundation Doctoral Dissertation Improvement Grant. \$11,975
- Society of Integrative and Comparative Biology Grant in Aid of Research. \$1000
- 2005 Society of Systematic Biologists Student Research Award. \$1800
- Explorers Club Exploration Fund. \$1200
- Society of Wetland Scientists Student Research Grant. \$1000
- Best Presentation in Behavioral Ecology. Midwest Ecology and Evolution Conference. Carbondale, Illinois.
- 2004 U.S. Environmental Protection Agency (EPA) Science To Achieve Results (STAR) Graduate Fellowship (2004-2007). \$111,000
- American Museum of Natural History Theodore Roosevelt Memorial Fund. \$1770
- American Society of Ichthyologists and Herpetologists Raney Fund. \$1000
- Crescent Hills Research Fund. \$600
- 2003 Society of Wetland Scientists Student Research Grant. \$1000
- 2002 Texas Water Resources Institute Mills Scholarship. \$1000
- National Science Foundation Graduate Research Honorable Mention

Best Presentation, Student Ecological Integration Symposium, Texas A&M University.
\$100

Texas A&M University Graduate Student Travel Award to attend the American Society
of Naturalists meeting in Banff, Canada. \$700

2001 Best Presentation, Student Ecological Integration Symposium, Texas A&M University.
\$100

TEACHING EXPERIENCE

2009 Instructor, Morphometric Analysis in Biology, Universidad Michoacana de San Nicolás
de Hidalgo de México

2008 Guest Lecturer, Patterns and Processes in Fish Diversity, Harvard University

2008 Team-Instructor, Fundamentals of Evolutionary Biology, Harvard University

2007 Guest Lecturer, Patterns and Processes in Fish Diversity, Harvard University

2005 Guest Lecturer, Introduction to Ecology, Washington University

Teaching Assistant, Introduction to Ecology, Washington University

2003 Co-Instructor, Current Philosophical Issues in Science, Texas A&M University

2002 Teaching Assistant, Conservation Biology, Texas A&M University

Co-Instructor, Current Philosophical Issues in Science, Texas A&M University

2001 Teaching Assistant, Ornithology Laboratory, Texas A&M University

Teaching Assistant, Conservation Biology, Texas A&M University

2000 Guest Lecturer, Evolutionary Ecology, Texas A&M University

INVITED PRESENTATIONS

June 2010 Evolution 2009 (Symposium Presentation). Portland, Oregon

Jan. 2010 Society for Integrative and Comparative Biology (Symposium Presentation). Seattle,
Washington

Oct. 2009 University of Connecticut

July 2009 Joint Meeting of Ichthyologists and Herpetologists (Symposium Presentation). Portland,
Oregon

June 2009 Evolution 2009 (American Society of Naturalists Young Investigators Prize Lecture).
Moscow, Idaho (cancelled due to illness)

May 2009 University of Oklahoma

Feb. 2009 Florida International University

Feb. 2009 Oklahoma State University

Feb. 2009 North Carolina State University

Feb. 2009 University of Michigan

Jan. 2009 University of Texas Marine Science Institute

June 2008 Evolution 2008 (Society for the Study of Evolution Fisher Prize Lecture). Minneapolis, Minnesota

Apr. 2008 Ontario Ecology and Ethology Colloquium (Symposium Presentation). Guelph, Canada

Mar. 2008 Louisiana State University

Feb. 2008 University of California, Davis

Jan. 2008 Society for Integrative and Comparative Biology (Symposium Presentation). San Antonio, Texas

Nov. 2007 Rice University

Mar. 2007 Young Scientists Symposium. University of Michigan

Dec. 2006 Florida International University

Nov. 2006 Third International Symposium on Viviparous Fishes. Morelia, Michoacán, México

Oct. 2006 University of California, Riverside

Jan. 2006 Abaco Science Alliance Conference. Marsh Harbour, Abaco, The Bahamas

Feb. 2005 Andros Science Alliance Conference. Fresh Creek, Andros, The Bahamas

Aug. 2004 Ecological Society of America (Invited Paper Presentation). Portland, Oregon

OTHER SELECTED PRESENTATIONS

Sep. 2008 Oklahoma-Texas Aquatic Research Group Conference. University of Oklahoma

July 2008 Joint Meeting of Ichthyologists and Herpetologists. Montréal, Canada

Oct. 2007 Division of Vertebrate Morphology. Narragansett, Rhode Island

June 2007 Evolution 2007. Christchurch, New Zealand

- Feb. 2007 Evolutionary Change in Human-altered Environments: An International Summit to Translate Science into Policy. Los Angeles, California
- Jan. 2007 Society for Integrative and Comparative Biology. Phoenix, Arizona
- Sep. 2006 EPA Graduate Fellowship Conference. Washington, D.C.
- June 2006 Evolution 2006. Stony Brook, New York
- March 2006 Midwest Ecology and Evolution Conference. St. Louis, Missouri
- July 2005 Joint Meeting of Ichthyologists and Herpetologists. Tampa, Florida
- March 2005 Midwest Ecology and Evolution Conference. Carbondale, Illinois
- Feb. 2004 Student Ecological Integration Symposium. Texas A&M University
- Feb. 2003 Texas Academy of Science. Nacogdoches, Texas
- Aug. 2002 American Malacological Society. Charleston, South Carolina
- July 2002 American Society of Naturalists. Banff, Canada
- Mar. 2002 Student Ecological Integration Symposium. Texas A&M University
- Mar. 2001 Student Ecological Integration Symposium. Texas A&M University

SERVICE AS REVIEWER

American Naturalist	Aquaculture
Archiv für Hydrobiologie	Behavioral Ecology and Sociobiology
Behaviour	Biological Journal of the Linnean Society (6)
Biology Letters (3)	Copeia (6)
Ecology (7)	Ecology Letters (5)
Ecology of Freshwater Fish (3)	Environmental Biology of Fishes (5)
Evolution (7)	Evolutionary Ecology Research
Freshwater Biology (4)	Functional Ecology (3)
Hydrobiologia (2)	Journal of Animal Ecology (2)
Journal of Evolutionary Biology (3)	Journal of Experimental Biology (3)
Journal of Experimental Zoology A	Journal of Fish Biology (9)
Limnology & Oceanography	Marine and Freshwater Research
National Science Foundation (5)	Naturwissenschaften (2)
Oecologia (2)	Oikos
Oxford University Press	PLoS ONE
Proc. of the Natl. Acad. of Sci. USA (2)	Proceedings of the Royal Society B. (2)
Science (2)	U.S. Fish and Wildlife Service
Various Book Chapters (9)	Web Ecology
Western North American Naturalist	