

Luke Harmon
Curriculum Vitae

Current Position

Postdoctoral Fellow, Biodiversity Research Centre
University of British Columbia, Vancouver, B.C.
Supervisor: Dr. Dolph Schluter

Education:

2000-2005 Washington University, St. Louis, MO
Ph. D. in Evolution, Ecology, and Population Biology
Advisor: Dr. Jonathan Losos

1994-1998 Iowa State University, Ames, IA
B.S. with honors, summa cum laude
Major: Zoology Minor: Mathematics

Teaching experience:

2006 Lecturer, Biology 300 (Biometry), University of British Columbia
2005 Guest Lecturer, Zoology 525, University of British Columbia
2005 Guest Lecturer, Zoology 501, University of British Columbia
2003 Teaching Assistant, Ecology, Washington University
2001 Teaching Assistant, Conservation Biology, Washington University
1999-2000 Head of Science, and Science Teacher for Forms 4 and 5
Sir Dudley Tuti College, Ysabel Province, Solomon Islands, South Pacific
1995-1996 Leader and Seminar Coordinator, Freshman Honors Program
Iowa State University

Honors and awards:

2005-2007 Biodiversity Postdoctoral Fellowship, University of British Columbia
2006 Just Desserts Award (for services to graduate students), University of British Columbia

2002-2005 National Science Foundation Dissertation Improvement Grant, \$10,800
2004 SSAR Student Travel Award, Joint Meeting of Ichthyologists and Herpetologists

2001-2004 National Science Foundation Graduate Research Fellowship
1997-1998 Supported by National Science Foundation REU grant
1996 Iowa State University Zoology and Genetics Intern
1996 Howard Hughes Medical Research Program Intern

Activities:

2005-present Coordinator, Ecology and Evolution Retreat, University of British Columbia, University of Victoria, and Simon Fraser University

2005-present Coordinator, Biodiversity Discussion Group, University of British Columbia

2006 Invited speaker, University of Victoria
2006 Invited speaker, Simon Fraser University
2006 Invited speaker, Calgary University
2005 Seminar speaker, University of British Columbia
2002-present Member, NCEAS Adaptive Radiation Working Group

Publications:

In review:

Harmon, L. J., L. L. Harmon, and C. G. Jones. In review. Competition and community structure in diurnal arboreal geckos (genus *Phelsuma*) in the Indian Ocean. Submitted to *Oikos*.

Nicholson, K. E., L. J. Harmon, and J. B. Losos. In revision. Evolution of *Anolis* lizard dewlap diversity. Submitted to PLoS ONE.

Vellend, M., L. J. Harmon, J. L. Lockwood, M. M. Mayfield, A. R. Hughes, J. P. Wares, and D. F. Sax. In review. Effects of exotic species on evolutionary diversification. Submitted to *Trends in Ecology and Evolution*.

Published or in press:

Revell, L. J., L. J. Harmon, R. B. Langerhans, and J. J. Kolbe. *In press*. A phylogenetic approach to determining the importance of constraint on phenotypic evolution in the neotropical lizard *Anolis cristatellus*. *Evolutionary Ecology Research*.

Harmon, L. J. and R. Gibson. 2006. Multivariate phenotypic evolution among island and mainland populations of the ornate day gecko, *Phelsuma ornata*. *Evolution* 60: 2622-2632.

Mooers, A.O., Harmon, L.J., Wong, D.H.J., and S.B. Heard. *In press*. Some models of tree shape. *In New Mathematical Models for Evolution* (O. Gascuel and M. Steel, eds.), Oxford University Press, Oxford.

Harmon, L. J., N. C. Cole, T. Ross, and J. M. Probst. *In press*. Le Dimorphisme Sexuel de la Taille et Forme dans *Phelsuma borbonica borbonica*, avec les Notes sur l'Histoire Naturelle de l'Espèce. *Bulletin Phaethon*.

Harmon, L. J. *In press*. Conservation of Small Populations: Effective Population Size, Inbreeding, and the 50/500 Rule. *in Braude and Low, Eds., A Working Understanding of Ecology*. Princeton University Press.

Melville, J., L. J. Harmon, and J. B. Losos. 2006. Intercontinental community convergence of ecology and morphology in desert lizards. *Proceedings of the Royal Society Series B: Biological Sciences* 273: 557-563.

Harmon, L. J. and J. B. Losos. 2005. The effect of intraspecific sample size on type I and type II error rates in comparative studies. *Evolution* 59:2705-2710.

Revell, L. J., L. J. Harmon, and R. E. Glor, 2005. Under-parameterized model of sequence evolution leads to bias in the estimation of diversification rates from molecular phylogenies. *Systematic Biology* 54: 973-983.

Weisrock, D. W., L. J. Harmon, and A. Larson. 2005. Phylogenetic Relationships among Salamander Families: Analyses of Mitochondrial and Nuclear Genomic Data. *Systematic Biology* 54:758-777.

Kozak, K. H., A. Larson, R. M. Bonett, and L. J. Harmon. 2005. Phylogenetic analysis of ecomorphological divergence, species coexistence, and diversification rates in dusky salamanders (Plethodontidae, Desmognathinae). *Evolution* 59: 2000-2016.

Harmon, L. J., K. Bauman, M. McCloud, J. Parks, S. Howell, and J. B. Losos. 2005. What the free-ranging animals do at the zoo: a study of the behavior and habitat use of opossums (*Didelphis virginiana*) on the grounds of the St. Louis Zoo. *Zoo Biology* 24: 197-213.

Harmon, L. J., J. J. Kolbe, J. M. Cheverud, and J. B. Losos. 2005. Convergence and the multidimensional niche. *Evolution* 59: 409-421.

Harmon, L. J., J. A. Schulte, J. B. Losos, and A. Larson. 2003. Tempo and mode of evolutionary radiation in iguanian lizards. *Science* 301: 961-964.

Harmon, L. J. 2002. Some observations of the natural history of the prehensile-tailed skink, *Corucia zebrata*, in the Solomon Islands. *Herpetological Review* 33: 177-179.

Harmon, L. J. 2000. A Translocation Strategy for Confiscated Pancake Tortoises. *Chelonian Conservation and Biology* 3(4):738-743.

Kolbe, J. J., L. J. Harmon, and D. A. Warner. 1999. New state record lengths and associated natural history notes for some Illinois snakes. *Transactions of the Illinois State Academy of Science* 92:133-135.

References:

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