

Donald K. Price

A. PROFESSIONAL PREPARATION

University of Minnesota	Minneapolis, MN	Biology	B.S. 1980
Illinois State University	Normal, IL	Biology	M.S. 1986
University of Illinois	Urbana, IL	Ecology, Ethology and Evolution	Ph.D. 1991
University of Tennessee	Knoxville, TN	Ethology	1991-1992
University of Oregon	Eugene, OR	Genetic Mechanisms of Evolution	1992-1994

B. ACADEMIC APPOINTMENTS

- 2016- Professor, School of Life Sciences – University of Nevada, Las Vegas
2016-19 Director, School of Life Sciences – University of Nevada, Las Vegas
2016- Adjunct Professor, TCBS graduate program and Biology Department, UH Hilo.
1999- Graduate Faculty, Graduate program in Ecology, Evolution & Conservation Biology - UH Manoa
2009-16 Professor of Biology, University of Hawaii - Hilo
2004-16 Director, Graduate program in Tropical Conservation Biology and Environmental Science - UH Hilo
2007-09 Specialist, Office of the Vice President for Research, University of Hawaii
2002-09 Co-Project Director, Hawaii's National Science Foundation EPSCoR program
2000-09 Associate Professor of Biology, University of Hawaii - Hilo
1996-00 Assistant Professor of Biology, University of Hawaii - Hilo
1994-96 Assistant Professor of Biology, Texas A&M University - Commerce

C. PUBLICATIONS

Relevant Publications: (*Underrepresented group, + Student or Post-doctoral associate)

1. Roy, K.*+, C. P. Ewing, and D. K. Price. 2021. Diet Analysis of Hawai'i Island's Blackburnia hawaiiensis (Coleoptera: Carabidae) using Stable Isotopes and High-Throughput Sequencing. *Pacific Science* 74, 245-256.
2. Pinzari, C.A.+ , L. Kang, P. Michalak, L.S. Jermiin, D.K. Price, and F.J. Bonaccorso. 2020. One-way ticket to paradise: Genomic signatures of evolutionary separation between Hawaiian hoary bat populations. *Genome Biology and Evolution* 12:1504-1514.
3. Koch, J.B.*+ J.R. Dupuis, M-K. Jardelez*+, N. Ouedraogo*+, S.M. Geib, P.A. Follett, and D.K. Price. 2020. Population genomic and phenotype diversity of the invasive *Drosophila suzukii* in Hawai'i. *Biological Invasions* 22, 1753-1770 doi.org/10.1007/s10530-020-02217-5
4. Brill, E.*+, L. Kang+, K. Michalak, P. Michalak, D.K. Price. 2016. Hybrid sterility and evolution in Hawaiian *Drosophila*: differential gene and allele-specific expression analysis of backcross males. *Heredity* doi:10.1038/hdy.2016.31
5. Uy, K.L.*+, R. LeDuc, C. Canotte, and D.K. Price. 2015. Physiological effects of heat stress on Hawaiian picture-wing *Drosophila*: genome-wide expression patterns and stress-related traits. *Conservation Physiology* 3: doi:10.1093/conphys/cou062.

Other Significant Publications:

6. Sarikaya, D.P.*+, S.H. Church+, L.P. Lagomarsino, K.N. Magnacca, S. Montgomery, D.K. Price, K.Y. Kaneshiro, C.G. Extavour. 2019. Reproductive capacity evolves in response to ecology through common developmental mechanisms in Hawaiian *Drosophila*. *Current Biology*
7. Kang, L.,+ P. George, D. K. Price, I. Sharakhov, P. Michalak. 2017. Mapping Genomic Scaffolds to Chromosomes Using Laser Capture Microdissection in Application to Hawaiian Picture-winged *Drosophila*. *Cytogenetic and Genome Research*. <https://doi.org/10.1159/000481790>

8. Eldon, J.⁺, M.R. Bellinger, and D.K. Price. 2019. Hawaiian picture wing *Drosophila* exhibit divergent adaptation along a narrow climatic gradient on Hawaii Island. *Ecology and Evolution*. In press
9. Magnacca, K.⁺ and D.K. Price. 2015. Rapid adaptive radiation and host plant conservation in the Hawaiian picture wing *Drosophila* (Diptera: Drosophilidae). *Molecular Phylogenetics and Evolution* 92: 226--242.
10. Price, D.K., S.K. Souder,⁺ and T. Russo-Tait.⁺ 2014. Sexual selection, epistasis and species boundaries in sympatric Hawaiian picture-winged *Drosophila*. *Journal of Insect Behavior* 27:27-40.

D. SYNERGISTIC ACTIVITIES

1. Director of School of Life Sciences at the University of Nevada, Las Vegas from 2016-2019 and co-PI on a NSF S-STEM grant (\$649,407) to enhance undergraduate courses and provide internships for economically disadvantaged students,
2. Founding Director of the Tropical Conservation Biology and Environmental Sciences Graduate Program at UH-Hilo from 2004-2016 and P.I. on two NSF CREST Program grants (NSF funding 2009-2019: \$9,999,808).
3. co-Project Director for the Hawaii NSF EPSCoR program from 2002-2009 (NSF funding 2003-2009: \$17,995,857) and the theme of the Research Infrastructure Improvement grant was "Biodiversity in an Integrated Island Environment".
4. PI on an NSF CCLI grant and lead organizer for a new undergraduate curriculum in biology at UH Hilo in Ecology, Evolution and Conservation Biology (NSF funding 1999-2002: \$100,001).
5. PI on NSF REU-Site program at UH Hilo from 2002-2010 (NSF funding 2002-2010: \$688,640) that involved faculty from Biology and personnel from Federal agencies (e.g. US Forest Service, USGS-BRD).