RAYMOND B. HUEY

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EDUCATION:

1971-75	Harvard University Ph.D. in Biology (June 1975)
1967-69	University of Texas, Austin M.A. in Zoology (June 1969)
1964-66	University of California, Berkeley A.B. Honors in Zoology (Jan.1966)
1961-64	Deep Springs College

PROFESSIONAL EXPERIENCE

2014-	Emeritus Professor, Department of Biology, University of Washington
2008-11	Chair, Department of Biology, University of Washington
1999-2000	Acting Chair, University of Washington
1989-98	Associate Chair, University of Washington (alternate years, except 1991- 93)
1987 (spring)	Distinguished Visiting Professor, University of Michigan, Ann Arbor
1984-14	Professor, Department of Zoology/Biology, University of Washington
1980-84	Associate Professor, Department of Zoology, University of Washington
1977-80	Assistant Professor, Department of Zoology, University of Washington
1975-77	Miller Research Fellow, University of California, Berkeley

AWARDS, FELLOWSHIPS, HONORS:

2022	Henry S. Fitch Award for Excellence in Herpetology, American Society of Ichthyologists and Herpetologists
2020	Physio Webinars, University of Sao Paulo (Graduate Student Invitee)
2018-20	Highly Cited Researcher, Web of Science
2018	Keynote Lecture, American Physiological Society
2017	Elected Fellow, Ecological Society of America. Plenary Lecture, International Society of Zoological Sciences, Xining, China
2016	Hugh Hanson Lecturer, Arizona State University, Tempe; L. Floyd Clarke Lecturer, Department of Zoology and Physiology, University of Wyoming
2015	Elected to Washington State Academy of Science; G. C. Williams Lecture, SUNY Stony Brook; Plenary Lecturer, Chinese Herpetological Society, Hohhot, Inner Mongolia
2014	"Biology without Borders" series, Cornell University; "Superspeaker," University of Montana
2013	Student Best Paper Award from Division of Ecology and Evolution, Society for Integrative and Comparative Biology, named "Raymond B. Huey Award"; Board of Reviewing Editors, Science
2012	Sutton Lecturer, University of Oklahoma; Cramer Lecturer, Dartmouth College
2010	Inaugural Lecture, The International Max Planck Research School (IMPRS) for Organismal Biology, "Great Challenges in Ecology and Evolution," University of Konstanz; Plenary Lecturer, Spain-Portugal Congress of Herpetology

2008	Centennial Seminar Series, Museum of Vertebrate Zoology (University of California, Berkeley); Keynote Lecture, Phi Sigma Biological Honors Society, University of Puget Sound
2007	American Academy of Arts and Sciences (elected)
2006	Distinguished Lecture in Evolution, Ecology, & Organismal Biology, University of North Carolina; Plenary Lecture, Evo-WIBO; Athenaeum Lecture, Claremont Colleges
2004	O'Leary Distinguished Scientist, Gonzaga University
2004	Eminent Evolutionary Biologist, Georgia Southern University
2004	Roger Carpenter Lecture in Comparative Biology, San Diego State University
2004	President's Award (best paper in *The American Naturalist*, 2003), American Society of Naturalists
2003	Darwin Lecture, University of Calgary
2002	Eminent Ecologist (Kellogg Biological Station)
2002	Plenary Lecture, American Physiological Society, San Diego
2002	Plenary Lecture, Biological Society of Chile, Pucón, Chile
2001	Eminent Biologist Lecture (Pittsburgh Ecoforum)
2000	Saul Lecturer, Middlebury College
1998-99	Guggenheim Fellow
1998	Hansen Lecturer, University of California Berkeley
1995	Diebold Symposium Lecturer, Kalamazoo College
1994	Plenary Lecturer, 2nd World Congress of Herpetology
1994	Hathaway Lecture, Tulane University
1993	President, American Society of Naturalists
1991	Distinguished Herpetologist, Herpetologists' League
1975-77	Miller Research Fellow, University of California, Berkeley
1972-75	Richmond Fellow, Harvard University
1968-69	NSF Research Traineeship, University of Texas
1961-64	Full Scholarship, Deep Springs College

SAMPLE SERVICE:

2013-2017	Board of Reviewing Editors, *Science*
2012-13	Grant panel, National Parks Service George M. Wright Climate Change Fellows
2012	NSF Panel, Evolutionary Ecology
2009	Nominations Committee for Associate Director of Biological Sciences, NSF; Nominations Committee (ecology & evolution) for American Academy of Arts & Sciences
2008	VAL Advisory Panel
2007	Virtual Panel, DOE Program for Ecosystem Research
2007-16	Research Grants Panel, American Alpine Club
2007-09	NESCent Senior Advisory Board
2004-6	Panel, Undergraduates in Biological & Mathematical Science, NSF
2004-2018	Section Head, Physiological Ecology, *Faculty of 1000*
2003-08	*American Naturalist*, Editorial Board
2002-09	*Physiological and Biochemical Zoology*, Editorial Board
2002-09	*Journal of Thermal Biology*, Editorial Board

2000	Panel, Ecological & Evolutionary Physiology, National Science Foundation
1999-05	*Integrative and Comparative Biology*, Editorial Board
1999	Nominations Committee Chair, Integrative and Comparative Biology
1999	*Functional Ecology*, Editorial Board
1998-present	*Evolutionary Ecology Research*, Editorial Board
1998, 2003	Panel, Dissertation Improvement Grants, National Science Foundation
1995-98	*Comparative Biochemistry and Physiology*, Editorial Board
1995-98	*American Naturalist*, Editorial Board
1993, 97	Panel, Population Biology, National Science Foundation
1993	President, American Society of Naturalists
1992-96	George Bartholomew Award Committee, SICB
1989-96, 02-05	*Physiological Zoology*, Editorial Board
1988-90	*Evolution*, Editorial Board
1986-98	*Evolutionary Ecology*, Editorial Board

INVITED SEMINARS AND LECTURES (SINCE 1990):

2021-22	Oklahoma State University; Plasphen Webinar (France); Guest lecture, Western Ontario University – all by Zoom
2020-21	Fish & Wildlife Seminar, University of Washington; Physio Webinars, University of Sao Paulo (Graduate Student Invitee); G. W. Gilchrist Memorial Symposium, SICB; University of Montana (Graduate Student Invitee)
2017-18	Simon Fraser University; Keynote Lecture, American Physiological Society (APS) Intersociety Meeting in Comparative Physiology, New Orleans.
2016-17	Pennsylvania State University (Graduate Student Invitee), Virginia Tech University (Graduate Student Invitee); Plenary Lecture, International Society of Zoological Sciences, Xining, China
2015-16	Hugh Hanson Lecturer, Arizona State University, Tempe; Department of Integrative Biology, University of California, Berkeley; L. Floyd Clarke Lecturer, Department of Zoology and Physiology, University of Wyoming
2014-15	G. C. Williams Lecture, SUNY Stony Brook; The University of Western Ontario; Institute of Zoology, Chinese Academy of Sciences, Beijing; Annual Meeting of Chinese Herpetological Society, Hohhot, Inner Mongolia.
2013-14	Workshop (with B. Sinervo, D. B. Miles), Estimating and analyzing the thermal sensitivity of ectotherms, and inferences for the biotic effects of climate change, Puerto Madryn, Argentina; Plenary Lecture, XIV Congreso Argentino de Herpetologica, Puerto Madryn, Argentina; "Biology Without Borders," Cornell University; "Superspeaker," University of Montana; Invited Symposium, The metabolic dimension in animal fitness and conservation, Society for Experimental Biology, Manchester, UK.
2012-13	Cramer Lecturer, Dartmouth College; Invited Symposium Honoring Kenneth Nagy, SICB meetings; Macrophysiology Workshop; Museum of Vertebrate Zoology (Herp Night), University of California, Berkeley; Invited Symposium, Understanding Warming Effects on Tropical Forests--Insight Gained from Current Research and a Way Forward, ATBC-OTS, San José, Costa Rica; Symposium on Vulnerability of Tropical Ectotherms to Climate Warming, San Juan, Puerto Rico.
2011-12	Sutton Lecture, University of Oklahoma; European Science Foundation

	ThermalAdapt Workshop (Barcelona); Invited Symposium on "Rethinking Normal: Moving from Theory to Action in the Face of Invasive Species and Global Change" World Congress of Herpetology (Vancouver)
2010-11	Inaugural Symposium, University of Konstanz; International Spain-Portugal Congress of Herpetology; University of Nebraska; University of Kansas; Western Washington University; Simon Fraser University: Institute for Dryland Environmental Research Ecology, Ben Gurion University (Graduate Student Invitee)
2009-10	Texas A&M University; University of Puerto Rico; NASA Workshop on Ocean De-oxygenation; NSF Workshop on Evolution and Oceans (Catalina Island); APS Symposium on Climate Change
2008-9	Workshop (Predicting Climate Change Impacts on Biodiversity), Daintree, Australia; Discovery Series Lecture, Technological Alliance, Seattle; Duke University; Symposium Honoring Richard Thomas, University of Puerto Rico
2007-08	Princeton University; Hopkins Marine Station (Stanford University); Centennial Seminar Series, Museum of Vertebrate Zoology (University of California, Berkeley); Keynote Lecture, Phi Sigma Biological Honors Society, University of Puget Sound; European Ph.D. Course on Responses to Climate Warning, Université de Rennes, France: Balzan Conference, Princeton University; Gordon Conference (Metabolic Theory of Ecology)
2006-07	Anthenaeum Lecture, Claremont Colleges; American Physiological Society Symposium on Complexity in Physiological Systems; Panel on Future of Himalayan Mountaineering (Seattle Mountaineers), European Science Foundation Symposium on Thermal Adaptation in Ectotherms (Barcelona); University of Nevada, Las Vegas; University of British Columbia.
2005-06	University of Colorado; Colorado State University; University of Michigan; University of North Carolina (Distinguished Lecture in Evolution, Ecology, & Organismal Biology); College of William & Mary; Plenary Lecture, EVOWIBO
2004-05	University of Arizona (Graduate Student Invitee); University of Iowa; University of California, Riverside
2003-04	Eminent Evolutionary Biologist, Georgia Southern University; O'Leary Distinguished Scientist, Gonzaga University; Roger Carpenter Lecture in Comparative Biology, San Diego State University; Gordon Conference (The Metabolic Basis of Ecology); Ecological Society of American Symposium (Invasive species); Symposium honoring Eric Pianka (Herpetologists League)
2002-03	Plenary Lecture, Biological Society of Chile, Pucón, Chile; Darwin Lecture, University of Calgary; SICB Symposium on Selection in Nature (Toronto, invited speaker); University of Texas, Austin
2001-02	University of Washington (Department of Botany); Kellogg Biological Station (Distinguished Ecology Series); University of Washington (Science Forum); American Physiological Society (Plenary Lecturer); no other invitations accepted because of family illnesses.
2000-01	Society of Experimental Biology Symposium (Flagstaff, invited speaker); SICB Symposium on Plant/Animal Biology (Chicago, invited speaker); International Hypoxia Congress (Jasper, invited speaker); Eminent Biologist Lecture (Pittsburgh Ecoforum); University of Oregon; University of South Carolina (Graduate Student Invitee); Mountain Rescue Association (Snoqualmie Pass, WA, invited speaker)
1999-00	Universidad Católica (Santiago, Chile); Climb '99 (Birmingham, UK; World

	Climbing Championship); Middlebury College (Saul Lecturer); University of Vermont
1998-99	University of Colorado, Boulder (Graduate Student Invitee); University of California, Santa Cruz; University of California, Berkeley (Museum of Vertebrate Zoology); Physiology Ecology Meeting (Bishop, Featured Speaker); European Congress of Evolutionary Biology (invited speaker)
1997-98	Hopkins Marine Station; Society for Integrative and Comparative Biology (Symposium on Evolutionary Physiology); Oregon State University (Graduate Student Invitee); University of British Columbia; University of California, Berkeley (Hansen Lecturer, Graduate Student Invitee).
1996-97	Miami University Ohio (Graduate Student Invitee); no other invitations accepted because of family illness
1995-96	University of Puget Sound; no other invitations accepted because of family illness
1994-95	University of California, Irvine (Graduate Student Invitee, and Keynote Speaker, student-faculty retreat); University of Texas, Arlington (Graduate Student Invitee); Symposium on "Phylogenies and Comparative Physiology," American Physiological Society; Simon Fraser University (Graduate Student Invitee); Diebold Symposium Keynote Address, Kalamazoo College; International Congress of Physiology, Scotland (Symposium on Phenotypic and Evolutionary Adaptation to Temperature)
1993-94	Plenary Lecture, Second World Congress of Herpetology; Hathaway Lecture, Tulane University; Washington University St. Louis (Graduate Student Invitee)
1992-93	Ecole Normale Superieure (Paris); Universidad de Barcelona; University of Oregon; University of Michigan (Graduate Student Invitee); Presidental Address, American Society of Naturalists
1991-92	Distinguished Herpetologist Lecture, Society for the Study of Amphibians and Reptiles; Ecole Normale Superieure (Paris); Special Lecture Series, Museo Nacional de Ciencias Naturales (Madrid); Gerontological Society of America (Symposium on Genetic Plasticity of Aging); University of Utah (Graduate Student Invitee); Florida State University (Graduate Student Invitee); AAAS Symposium (Evolution of Thermal Sensitivity); American Society of Naturalists (Vice-Presidential Symposium on "Evolution in Stressful Environments")
1990-91	Cold Spring Harbor Centenary Symposium (Evolution: From Molecules to Culture); Cornell University; University of Rochester; Indiana State University; University of Nebraska; Oregon State University (Graduate Student Invitee); University of Vermont (Graduate Student Invitee, Paul A. Moody Lecturer).

GRANTS:

2017- 19	National Geographic Society, Committee on Research, Evaluating Climate Forced Extinctions of Kgalagadi (Kalahari) Lizards (lead PI, collaborative grant with B. Sinervo, D. Miles, S. Clusella-Trullas, A. Gilbert, S. Kirchof)
2010- 16	Collaborative Research: LiT: Vulnerability of Tropical Ectotherms to Climate Warming (lead PI, collaborative grant with H. Álvarez, P. E. Hertz, B. Lister), National Science Foundation
2004-10	Collaborative Research: Experimental Tests of the Adaptive Significance of Ectotherm Thermoregulation. National Science Foundation, $349,984 (collaborative grant with P. Phillips)

2004	Partners in Science Program, M. J. Murdock Charitable Trust, $7,000.
2004-06	Doctoral Dissertation Improvement Grant: The Paradox of Flying Insects at High Altitude. National Science Foundation. $11,982 (M. Frazier)
2003	Frontiers of Integrative Biology: A Symposium Honoring George A. Bartholomew. National Science Foundation $11,408.
2002-04	Into thin air: the paradox of flying insects at altitude. Royalty Research Fund, University of Washington. $33,408.
2000-04	International Collaborative Research. National Science Foundation $21,560 (collaborative grant with B. Moreteau, J. David, and P. Gibert).
2000-04	Collaborative Research: An Experiment in Evolution: Rapid Evolution in *Drosophila subobscura*. National Science Foundation $260,000. (collaborative grant with G. Gilchrist).
1999-00	An Experiment in Evolution: *Drosophila subobscura* in the New World. US-Spain Cooperative Grant, $22,000 (collaborative grant with L. Serra).
1996-00	Experimental Tests of Developmental and Cross-Generational Effects of Temperature. National Science Foundation, $220,000
1996-00	An Experiment in Evolution: Rapid Life History Evolution in *Drosophila subobscura*. National Science Foundation, $185,539 (collaborative grant with G. Gilchrist).
1993-96	Experimental Evolution of Ectotherm Thermal Sensitivity (National Science Foundation), $320,000
1993	Physiological Consequences of Mutation, National Science Foundation $21,000
1993	An Experiment in Nature: *Drosophila subobscura* in the New World. University of Washington (Royalty Research Fund), $26,000.
1993	A Metabolism System for Teaching Physiology, National Science Foundation and University of Washington
1992	R.E.U. Supplement to Lack's Hypothesis, National Science Foundation, $5,000
1991-92	Workshop: The role of evolution, population and community responses in analyses of global environmental change. National Science Foundation, Ecology (P. Kareiva, J. Kingsolver, R. Huey, co-PI), $63,225
1991	R.E.U. Supplement to Lack's Hypothesis, National Science Foundation, $8,600
1990-93	Lack's Hypothesis: An Experimental Test in Lizards, National Science Foundation (collaborative grant with B. Sinervo) $225,000
1989	Artificial Selection on Thermal Sensitivity of Physiology in *Drosophila melanogaster*, Wellcome Research Travel Grants (Burroughs Wellcome Fund), $1,975.
1988	R.E.U. Supplement to Senescence in Natural Populations, $4000.
1988-1990	Senescence in Natural Populations, National Science Foundation (collaborative grant with A.E. Dunham, independent funding) $134,557
1987	R.E.U. Supplement to Physiological Ecology of Locomotion in Ectotherms, National Science Foundation, $7,830
1985-88	Physiological Ecology of Locomotion in Ectotherms, National Science Foundation $170,000
1981-84	Physiological Ecology of Locomotion in Ectotherms, National Science Foundation $70,025
1980-81	Support for A.S.Z. Symposium, "Lizard Ecology--Studies on a Model Organism," National Science Foundation (co-P.I. with E.R. Pianka and T.W. Schoener) $10,498
1980	Supplement to Physiological Ecology of Locomotion in Terrestrial Vertebrate Ectotherms, National Science Foundation $8,873

1978-81	Physiological Ecology of Locomotion in Terrestrial Vertebrate Ectotherms, National Science Foundation $50,025
1975-76	Ecology of Kalahari Lizards, National Geographic Society, Principal Investigator (with E.R. Pianka and C.M. Cavalier) $12,318
1975-77	Miller Research Fellowship, University of California, Berkeley $36,100

ADVISEES (GRADUATE & POSTDOCTORAL):

Adolph, Stephen (Harvey Mudd); Berrigan, David (NIH); Dillon, Michael (U. Wyoming); Frazier, Melanie (EPA); Garland, T., Jr. (U. California Riverside); Gibert, Patricia (CNRS); Gilchrist, George (NSF); Hoekstra, J. (The Mountains to Sound Greenway Trust); Otero, Luisa (U. Puerto Rico): Sinervo, Barry (U. California Santa Cruz-- deceased); Stevenson, Robert D. (U. Massachusetts Boston); Tsuji, Joyce (Exponent); van Berkum, Fredrika (retired); Wang, George (Max Planck Institute for Developmental Biology, Tübigen); Wilson, Byron (U. West Indies Mona); Zamudio, Kelly (U. Texas, Austin).

PUBLICATIONS:

200) Huey, R. B. and D. B. Miles. 2022. Signatures of geography, climate, and foliage on given names of baby girls. Evolutionary Human Sciences 4, E56. https://doi:10.1017/ehs.2022.53

199) Huey, R. B., and L.B. Buckley. 2022. Designing a seasonal acclimation study presents challenges and opportunities. *Integrative Organismal Biology* 4: obac016. https://doi.org/10.1093/iob/obac016.

198) Buckley, L.B., R. B. Huey, and J. G. Kingsolver. 2021. Asymmetry of thermal sensitivity and the thermal risk of climate change. *Global Ecology and Biogeography* 31:2231-2244. https://doi.org/10.1111/geb.13570

197) Huey, R.B., D. B. Miles, and E. R. Pianka. 2021. Seasonality in Kgalagadi lizards: inferences from legacy data. *The American Naturalist* 198:759-771. https://doi.org/10.1086/716895.

196) Sillero, N., R. B. Huey, G. Gilchrist, L. Rissler, and M. Pascual. 2020. Distribution modelling of an introduced species: do adaptive genetic markers affect potential range? *Proceedings of the Royal Society B* 287:20201791 20201791. http://dx.doi.org/10.1098/rspb.2020.1791.

195) Kearney, M. R., W. P. Porter, and R. B. Huey. 2020. Modelling the joint effects of body size and microclimate on heat budgets and foraging opportunities of ectotherms. *Methods in Ecology and Evolution* 12: 458-467. https://doi.org/10.1111/2041-210X.

194) Huey, R. B., L. Ma, O. Levy, and M. R. Kearney. 2020 Three questions about the eco-physiology of overwintering underground. *Ecology Letters* 24:170-185. https://doi.org/10.1111/ele.13636

193) Huey, R. B., and M. R. Kearney. 2020. PERSECTIVE: Dynamics of death by heat. *Science* 369:1163-1163. https://doi.org/10.1126/science.abe0320

192) Huey, R. B., and P. R. Grant. 2020. COMMENTARY: Lizards, toepads, and the ghost of hurricanes past. *Proceedings of the National Academy of Sciences USA* 117:11194-11196.

191) Huey, R. B., C. Carroll, R. Salisbury, and J.-L. Wang. 2020. Mountaineers on Mount Everest: Effects of age, sex, experience, and crowding on rates of success and death. *PLoS ONE*15(8): e0236919. https://doi.org/10.1371/journal.pone.0236919

190) Huey, R. B., and J. G. Kingsolver. 2019. Climate warming, resource availability, and the metabolic meltdown of ectotherms. *The American Naturalist* 194:E140–E150.

189) Huey, R. B., T. Garland, Jr., and M. Turelli. 2019. Revisiting a key innovation in evolutionary biology: Felsenstein's 'Phylogenies and the Comparative Method.' *The American Naturalist* 193:755–772.

188) Deutsch, C.A., J. J. Tewksbury, M. Tigchelaar, D. S. Battisti, S. C. Merrill, R. B. Huey, and R. L. Naylor. Increase in crop losses to insect pests in a warming climate. *Science* 361:916-919.

187) Huey, R. B., L. B. Buckley, and W. Du. 2018. Biological buffers and the impact of climate change. *Integrative Zoology* 13:349-354.

186) Aburto-Oropeza, O., et al. 2018. Harnessing cross-border resources to confront climate change. *Environmental Science and Policy* 878:128-132.

185) Huey, R. B. and C. R. Tracy. 2018. In Memorium: James Edward Heath. *Physiological and Biochemical Zoology* 91:834-836.

184) Sheldon, K.A., R. B. Huey, M. Kaspari, and N. J. Sanders. 2018. Fifty years of mountain passes; a perspective on Dan Janzen's classic paper. *The American Naturalist* 191:553-565.

183) Ma, L., L. B. Buckley, R. B. Huey, and W.-G. Du. 2018 A global test of the cold-climate hypothesis for the evolution of viviparity. *Global Ecology and Biogeography* 2018:1-11.

182) Huey, R. B. and E. R. Pianka. 2017. Body temperature distributions of active diurnal lizards in three deserts: skewed up or skewed down? *Functional Ecology* 2017:1-11. Doi: 10.1111/1365-2435.12966.

181) Grant, P. R., B. R. Grant, R. B. Huey, M. C. Johnson, A. H. Knoll, and J. Schmitt. 2017. Evolutionary responses to extreme events. *Philosophical Transactions B Royal Society* 372:20160146.

180) Sinclair, B. J., K. E. Marshall, M. A. Sewell, D. L. Levesque, C. S. Willett, S. Slotsbo, Y. Dong, D. G. Harley, D. J. Marshall, B. S. Helmuth, R. B. Huey. 2016. Can we predict ectotherm responses to climate change using thermal performance curves and body temperatures? *Ecology Letters* 19:1372-1285.

179) Huey, R. B. and C. Deutsch. 2016. PERSPECTIVE: How Frigatebirds soar around the Doldrums. *Science* 353:26-27.

178) Buckley, L. B. and R. B. Huey. 2016. Temperature extremes: geographic patterns, recent changes, and implications for organismal vulnerabilities. *Global Change Biology* doi: 10.1111/gcb.13313.

177) Buckley, L. B. and R. B. Huey. 2016. How extreme temperatures impact organisms and the evolution of their thermal tolerance. *Integrative and Comparative Biology* 56:98-109.

176) Deutsch, C., A. Ferrel, H.-O. Pörtner, and R. B. Huey. 2015. Climate change tightens a metabolic constraint on marine habitat. *Science* 348:1132-1135.

175) Otero, L. M., R. B. Huey, and G. C. Gorman. 2015. A few meters matter: Local habitats drive reproductive cycles in a tropical lizard. *American Naturalist* 186:E72-E80.

174) Castilla, A. M., R. B. Huey, J. J. Calvete, R. Richer, and A. H. M. Al-Hemaidi. 2015. Arid environments: Opportunities for studying co-evolutionary patterns of scorpion venoms in predator-prey systems. *Journal of Arid Environments* 112:165-169.

174) Sunday, J. M., A. E. Bates, M. R. Kearney, R. K. Colwell, N. K. Dulvy, J. T. Longino, and R. B. Huey. 2014. Thermal-safety margins and the necessity of thermoregulatory behavior across latitude and elevation. *Proceedings of the National Academy of Sciences USA* 111: 5610-5615.

173) Huey, R. B., and P. J. Landrigan. 2012. Epigenetic synthesis: a need for a new paradigm for evolution in a contaminated world. F1000Prime Recommendation of [Crews D and Gore AC, F1000 Biol Rep 2012, 4(18)]. In *F1000Prime*, 02 Oct 2012; DOI: 10.3410/f.717957733.793462153.

172) Hertz, P. E., Y. Arima, A. Harrison, R. B. Huey, J. B. Losos, and R. E. Glor. 2013. Asynchronous evolution of physiology and morphology in *Anolis* lizards. *Evolution*, 67:2101-2113.

171) Huey, R. B., M. R. Kearney, A. Krockenberger, J. A. M. Holtum, M. Jess, and S. E. Williams 2012. Predicting organismal vulnerability to climate warming: roles of behaviour, physiology and adaptation. *Philosophical Transactions of the Royal Society B* 367:1665-1679.

170) Dillon, M. E., R. Liu, G. Wang, and R. B. Huey. 2012. Disentangling thermal preference and the thermal dependence of motion in ectotherms. *Journal of Thermal Biology* 37:631-639.

169) Huey, R. B. 2011. On becoming a better scientist. *Israel Journal of Ecology and Evolution* 57:293-307.

168) Huey, R. B., and J. G. Kingsolver. 2011. COMMENTARY: Variation in universal temperature dependence of biological rates. *Proceedings of the National Academy of Sciences USA* 108:10377-10378.

167) Falkowski, P. G., T. Algeo, L. Codispoti, C. A. Deutsch, Emerson, B. Hales, R. Huey, W. Jenkins, L. R. Kump, L. Levin, T. Lyons, N. Nelson, O. Schofield, R. Summons, L. Talley, E. Thomas, F. Whitney, and C. Pilcher. 2011. Ocean deoxygenation: past, present, and future. *EOS* 92:409-420.

166) Anderson, J. L., L. Albergotti, R. B. Huey, and P.C. Phillips. 2011. Does thermoregulatory behavior maximize reproductive fitness of natural isolates of *Caenorhabditis elegans*? *BMC Evolutionary Biology* 22:257. doi: 10.1186/1471-2148-11-157

165) Gibert, P., R. Allemand, H. Henri and R. B. Huey. 2010. Local adaptation and evolution of parasitoid interactions in an invasive species, *Drosophila subobscura*. *Evolutionary Ecology Research* 12: 873–883.

164) Dillon, M. E., G. Wang, and R. B. Huey. 2010. Global metabolic impacts of recent climate warming. *Nature* 467:704-706.

163) Huey, R. B., J. B. Losos, and C. Moritz. 2010. PERSPECTIVE: Are lizards toast? *Science* 328: 832-833.

162) Angilletta, M. J. Jr., R. B. Huey, and M. Frazier. 2010. Thermodynamic effects on organismal

performance: Is hotter better? *Physiological and Biochemical Zoology* 83:197-206.

161) Huey, R. B.2010. Evolutionary physiology of insect thermal adaptation to cold environments. pp. 223-241 in: *Low Temperature Biology of Insects*, eds. D.L. Denlinger and R. E. Lee, Jr. Cambridge University Press, Cambridge.

160) Huey, R. B. 2009. Natural history observations on Henry Fitch. *Herpetological Review* 40:399.

159) Balanyà, J. , R. B. Huey, G. W. Gilchrist, L. Serra. 2009. The chromosomal polymorphism of *Drosophila subobscura*: a microevolutionary weapon to monitor global change. *Heredity* 103:364-367. doi. 10.1038/hdy.2009.86

158) Dillon, M. E., G. Wang, P.A. Garrity, and R. B. Huey. 2009. Thermal preference in *Drosophila*. *Journal of Thermal Biology* 34:109-119.

157) Huey, R. B., and F. Rosenzweig. 2009. Laboratory evolution meets Catch 22: balancing simplicity and realism. pp. 671-707 in: *Experimental Evolution: Concepts, Methods, and Applications* (T. Garland, Jr., and M. R. Rose, eds). University of California Press, Berkeley.

156) Huey, R. B., and M. Pascual. 2009. Partial thermoregulatory compensation by a rapidly evolving invasive species along a latitudinal cline. *Ecology* 90:1715-1720.

155) Huey, R. B., and J. J. Tewksbury. 2009. COMMENTARY: Can behavior douse the fire of climate warming? *Proceedings of the National Academy of Sciences USA* 106:3647-3648 (doi:10.1073/pnas.0900934106)

154) Huey, R. B., J. J. Tewksbury, C. A. Deutsch, L. J. Vitt, P. E. Hertz, and H. J. Álvarez Pérez 2009. Why tropical forest lizards are vulnerable to climate warming. *Proceedings of the Royal Society, B* 276:1939-1948 doi:10.1098/rspb.2008.1957.

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