

Stanford



Elizabeth Hadly

Director, Jasper Ridge, Paul S. and Billie Achilles Professor of Environmental Biology, Senior Fellow at the Woods Institute for the Environment and Professor, by courtesy, of Geological Sciences

Bio

ACADEMIC APPOINTMENTS

- Professor, Biology
- Professor, Biology
- Senior Fellow, Stanford Woods Institute for the Environment
- Professor (By courtesy), Geological Sciences
- Member, Bio-X
- Senior Fellow, Stanford Woods Institute for the Environment

ADMINISTRATIVE APPOINTMENTS

- Faculty Director, Jasper Ridge Biological Preserve, (2016- present)

PROFESSIONAL EDUCATION

- Ph.D., Univ. California, Berkeley , Integrative Biology (1995)
- M.S., Northern Arizona University , Quaternary Studies (1990)
- B.A., Univ. Colorado, Boulder , Anthropology (1981)

LINKS

- Hadly Lab site: <https://hadlylab.stanford.edu/>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

ELIZABETH A. HADLY

PROFESSOR, DEPARTMENT OF BIOLOGY

DEPARTMENT OF GEOLOGICAL SCIENCES, BY COURTESY

Professor Hadly uses a combined field and laboratory approach to examine how ecological perturbations link or decouple levels of biological organization, because understanding the links among ecosystems, species, populations and genes is central to understanding how organisms exist, evolve and become extinct. She addresses problems in organismal biology from both evolutionary and ecological perspectives, primarily using extant species. One of the unique aspects of her overall approach is the focus on the decadal to millennial time scale, a scale that is little studied, although it is a scale that is integral to understanding links between ecology and evolution, and increasingly important to understand the impacts of the Anthropocene.

PROJECTS

- Living on the roof of the world: mechanisms underlying hypo tolerance in pikas - Stanford University (2012 - present)
- Tracing zoonotic disease risks and immunological adaptations in bats, humans and human commensals across the Central American countryside - Stanford University (1/1/2015 - present)
- Evolution, Extinction, and Conservation of Caribbean Mammals - Stanford University (2013 - present)
- Ecological and evolutionary aspects of the bat-infection relationship - Stanford University (February 2012 - present)
- Gene Expression, not local adaptation, sufficient for pikas to occupy vast Himalayan elevational gradient - Stanford University
- Low-coverage Genome Sequencing of Black Rhinoceros to Inform Conservation Management - Stanford University (January 1, 2015 - present)

Teaching

COURSES

2021-22

- Ethics in the Anthropocene: BIO 313 (Spr)

2020-21

- Conservation and Population Genomics: BIO 386 (Win)

2019-20

- Ethics in the Anthropocene: BIO 313 (Spr)

2018-19

- Conservation and Population Genomics: BIO 386 (Aut)
- Ethics in the Anthropocene: BIO 313 (Spr)
- I, Scientist: Diversity Improves the Scientific Practice: BIO 52, CSRE 52H (Aut)

STANFORD ADVISEES

Lucas Pavan

Doctoral Dissertation Reader (AC)

Katrina Armstrong, Avery Hill, Nicole Nova, Nia Walker

Postdoctoral Faculty Sponsor

Allison Stegner

Doctoral Dissertation Advisor (AC)

Kate Lagerstrom, Jordana Meyer, Krti Tallam, Maria Viteri

Doctoral Dissertation Co-Advisor (AC)

Dorothy Tovar

Postdoctoral Research Mentor

Bryan Juarez

Doctoral (Program)

Jordana Meyer, Maria Viteri

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biology (School of Humanities and Sciences) (Phd Program)

Publications

PUBLICATIONS

- **Stable isotopes reveal seasonal dietary responses to agroforestry in a venomous mammal, the Hispaniolan solenodon (*Solenodon paradoxus*).** *Ecology and evolution*
Mychajliw, A. M., Almonte, J. N., Martinez, P. A., Hadly, E. A.
2022; 12 (3): e8761
- **Muskrats as a bellwether of a drying delta.** *Communications biology*
Ward, E. M., Solari, K. A., Varudkar, A., Gorelick, S. M., Hadly, E. A.
2021; 4 (1): 750
- **The under-investigated wild side of *Escherichia coli*: genetic diversity, pathogenicity and antimicrobial resistance in wild animals.** *Proceedings. Biological sciences*
Lagerstrom, K. M., Hadly, E. A.
2021; 288 (1948): 20210399
- **Recent evolutionary history of tigers highlights contrasting roles of genetic drift and selection.** *Molecular biology and evolution*
Armstrong, E. E., Khan, A. n., Taylor, R. W., Gouy, A. n., Greenbaum, G. n., Thiéry, A. n., Kang, J. T., Redondo, S. A., Prost, S. n., Barsh, G. n., Kaelin, C. n., Phalke, S. n., Chugani, et al
2021
- **Assessing the reliability of raptor pellets in recording local small mammal diversity** *Quaternary Research*
Viteri, M.
2021
- **Molecular Ecological Network Analyses: An Effective Conservation Tool for the Assessment of Biodiversity, Trophic Interactions, and Community Structure** *FRONTIERS IN ECOLOGY AND EVOLUTION*
Meyer, J. M., Leempoel, K., Losapio, G., Hadly, E. A.
2020; 8
- **A comparison of eDNA to camera trapping for assessment of terrestrial mammal diversity.** *Proceedings. Biological sciences*
Leempoel, K., Hebert, T., Hadly, E. A.
2020; 287 (1918): 20192353
- **Long live the king: chromosome-level assembly of the lion (*Panthera leo*) using linked-read, Hi-C, and long-read data.** *BMC biology*
Armstrong, E. E., Taylor, R. W., Miller, D. E., Kaelin, C. B., Barsh, G. S., Hadly, E. A., Petrov, D.
2020; 18 (1): 3
- **Experimental study of hypoxia-induced changes in gene expression in an Asian pika, *Ochotona dauurica*.** *PLoS one*
Solari, K. A., Hadly, E. A.
2020; 15 (10): e0240435
- **Empowering conservation practice with efficient and economical genotyping from poor quality samples** *METHODS IN ECOLOGY AND EVOLUTION*
Natesh, M., Taylor, R. W., Truelove, N. K., Hadly, E. A., Palumbi, S. R., Petrov, D. A., Ramakrishnan, U.
2019; 10 (6): 853–59
- **Empowering conservation practice with efficient and economical genotyping from poor quality samples.** *Methods in ecology and evolution*
Natesh, M., Taylor, R. W., Truelove, N. K., Hadly, E. A., Palumbi, S. R., Petrov, D. A., Ramakrishnan, U.
2019; 10 (6): 853-859
- **Gene expression is implicated in the ability of pikas to occupy Himalayan elevational gradient** *PLOS ONE*
Solari, K. A., Ramakrishnan, U., Hadly, E. A.
2018; 13 (12)
- **Global fingerprint of humans on the distribution of *Bartonella* bacteria in mammals.** *PLoS neglected tropical diseases*
Frank, H. K., Boyd, S. D., Hadly, E. A.
2018; 12 (11): e0006865

- **Global fingerprint of humans on the distribution of Bartonella bacteria in mammals** *PLOS NEGLECTED TROPICAL DISEASES*
Frank, H. K., Boyd, S. D., Hadly, E. A.
2018; 12 (11)
- **Evolution for extreme living: variation in mitochondrial cytochrome c oxidase genes correlated with elevation in pikas (genus Ochotona)** *INTEGRATIVE ZOOLOGY*
Solari, K. A., Hadly, E. A.
2018; 13 (5): 517–35
- **Evolution for extreme living: variation in mitochondrial cytochrome c oxidase genes correlated with elevation in pikas (genus Ochotona).** *Integrative zoology*
Solari, K. A., Hadly, E. A.
2018
- **Making America great again requires acting on scientific knowledge.** *PLoS biology*
Hadly, E. A.
2018; 16 (2): e2004337
- **Making America great again requires acting on scientific knowledge** *PLOS BIOLOGY*
Hadly, E. A.
2018; 16 (2)
- **Rethinking "Native" in the Anthropocene** *Frontiers in Earth Science*
Hill, A. P., Hadly, E. A.
2018; 6: 1-4
- **Gene expression is implicated in the ability of pikas to occupy Himalayan elevational gradient.** *PLoS one*
Solari, K. A., Ramakrishnan, U., Hadly, E. A.
2018; 13 (12): e0207936
- **Genomic data reveal a loss of diversity in two species of tuco-tucos (genus Ctenomys) following a volcanic eruption** *SCIENTIFIC REPORTS*
Hsu, J. L., Crawford, J., Tammone, M. N., Ramakrishnan, U., Lacey, E. A., Hadly, E. A.
2017; 7
- **Genomic data reveal a loss of diversity in two species of tuco-tucos (genus Ctenomys) following a volcanic eruption.** *Scientific reports*
Hsu, J. L., Crawford, J. C., Tammone, M. N., Ramakrishnan, U., Lacey, E. A., Hadly, E. A.
2017; 7 (1): 16227
- **Frequency shifting reduces but does not eliminate acoustic interference between echolocating bats: A theoretical analysis.** *The Journal of the Acoustical Society of America*
Perkins, M. L., Frank, H. K., Pauly, J. M., Hadly, E. A.
2017; 142 (4): 2133
- **Rethinking the Origin of Primates by Reconstructing Their Diel Activity Patterns Using Genetics and Morphology** *SCIENTIFIC REPORTS*
Wu, Y., Wang, H., Wang, H., Hadly, E. A.
2017; 7: 11837
- **Rapid increase in genetic diversity in an endemic Patagonian tuco-tuco following a recent volcanic eruption** *JOURNAL OF MAMMALOLOGY*
Hsu, J. L., Kam, S., Tammone, M. N., Lacey, E. A., Hadly, E. A.
2017; 98 (3): 779-792
- **Can protected areas really maintain mammalian diversity? Insights from a nestedness analysis of the Colorado Plateau** *BIOLOGICAL CONSERVATION*
Stegner, M., Karp, D. S., Rominger, A. J., Hadly, E. A.
2017; 209: 546–53
- **Invasion of Ancestral Mammals into Dim-light Environments Inferred from Adaptive Evolution of the Phototransduction Genes.** *Scientific reports*
Wu, Y., Wang, H., Hadly, E. A.
2017; 7: 46542-?
- **Merging paleobiology with conservation biology to guide the future of terrestrial ecosystems** *SCIENCE*

- Barnosky, A. D., Hadly, E. A., Gonzalez, P., Head, J., Polly, P. D., Lawing, A. M., Eronen, J. T., Ackerly, D. D., Alex, K., Biber, E., Blois, J., Brashares, J., Ceballos, et al
2017; 355 (6325): 594-?
- **Genetics, morphology and ecology reveal a cryptic pika lineage in the Sikkim Himalaya.** *Molecular phylogenetics and evolution*
Dahal, N., Lissovsky, A. A., Lin, Z., Solari, K., Hadly, E. A., Zhan, X., Ramakrishnan, U.
2017; 106: 55-60
 - **Corrigendum to "Genetics, morphology and ecology reveal a cryptic pika lineage in the Sikkim Himalaya" [Mol. Phylogenet. Evol. 106 (2017) 55-60].** *Molecular phylogenetics and evolution*
Dahal, N. n., Lissovsky, A. A., Lin, Z. n., Solari, K. n., Hadly, E. A., Zhan, X. n., Ramakrishnan, U. n.
2017; 107: 645
 - **Phylogeny, Traits, and Biodiversity of a Neotropical Bat Assemblage: Close Relatives Show Similar Responses to Local Deforestation.** *The American naturalist*
Frank, H. K., Frishkoff, L. O., Mendenhall, C. D., Daily, G. C., Hadly, E. A.
2017; 190 (2): 200-212
 - **Frequency shifting reduces but does not eliminate acoustic interference between echolocating bats: A theoretical analysis** *The Journal of the Acoustical Society of America*
Perkins, M. L., Frank, H. K., Pauly, J. M., Hadly, E. A.
2017; 142: 2133
 - **Opportunity for some, extinction for others: the fate of tetrapods in the Anthropocene** *EVOLUTIONARY ECOLOGY RESEARCH*
Solari, K. A., Frank, H. K., Frishkoff, L. O., Hsu, J. L., Kemp, M. E., Mychajliw, A. M., Hadly, E. A.
2016; 17 (6): 787-813
 - **Getting a head in hard soils: Convergent skull evolution and divergent allometric patterns explain shape variation in a highly diverse genus of pocket gophers (Thomomys)** *BMC EVOLUTIONARY BIOLOGY*
Marcy, A. E., Hadly, E. A., Sherratt, E., Garland, K., Weisbecker, V.
2016; 16
 - **Retinal transcriptome sequencing sheds light on the adaptation to nocturnal and diurnal lifestyles in raptors** *SCIENTIFIC REPORTS*
Wu, Y., Hadly, E. A., Teng, W., Hao, Y., Liang, W., Liu, Y., Wang, H.
2016; 6
 - **Climate change and habitat conversion favour the same species** *ECOLOGY LETTERS*
Frishkoff, L. O., Karp, D. S., Flanders, J. R., Zook, J., Hadly, E. A., Daily, G. C., M'Gonigle, L. K.
2016; 19 (9): 1081-1090
 - **Rocking Earth's biodiversity cradle: challenges, advances, and prospects for conservation paleontology in the tropics** *JOURNAL OF VERTEBRATE PALEONTOLOGY*
Kemp, M. E., Hadly, E. A.
2016; 36 (5)
 - **Anthropogenic impacts on Costa Rican bat parasitism are sex specific** *ECOLOGY AND EVOLUTION*
Frank, H. K., Mendenhall, C. D., Judson, S. D., Daily, G. C., Hadly, E. A.
2016; 6 (14): 4898-4909
 - **Anthropogenic impacts on Costa Rican bat parasitism are sex specific.** *Ecology and evolution*
Frank, H. K., Mendenhall, C. D., Judson, S. D., Daily, G. C., Hadly, E. A.
2016; 6 (14): 4898-909
 - **Post-invasion demography of prehistoric humans in South America.** *Nature*
Goldberg, A., Mychajliw, A. M., Hadly, E. A.
2016; 532 (7598): 232-235
 - **Avoiding collapse: Grand challenges for science and society to solve by 2050** *ELEMENTA-SCIENCE OF THE ANTHROPOCENE*
Barnosky, A. D., Ehrlich, P. R., Hadly, E. A.
2016; 4: 1-9

- **Early Holocene turnover, followed by stability, in a Caribbean lizard assemblage** *QUATERNARY RESEARCH*
Kemp, M. E., Hadly, E. A.
2016; 85 (2): 255-261
- **Variable impact of late-Quaternary megafaunal extinction in causing ecological state shifts in North and South America** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Barnosky, A. D., Lindsey, E. L., Villavicencio, N. A., Bostelmann, E., Hadly, E. A., Wanket, J., Marshall, C. R.
2016; 113 (4): 856-861
- **Variable impact of late-Quaternary megafaunal extinction in causing ecological state shifts in North and South America.** *Proceedings of the National Academy of Sciences of the United States of America*
Barnosky, A. D., Lindsey, E. L., Villavicencio, N. A., Bostelmann, E., Hadly, E. A., Wanket, J., Marshall, C. R.
2016; 113 (4): 856-61
- **Palesvertebrate Communities** *ECOSYSTEMS OF CALIFORNIA*
Hadly, E. A., Feranec, R. S., Mooney, H., Zavaleta, E.
2016: 155-168
- **Bartonellae are Prevalent and Diverse in Costa Rican Bats and Bat Flies** *ZOONOSES AND PUBLIC HEALTH*
Judson, S. D., FRANK, H. K., Hadly, E. A.
2015; 62 (8): 609-617
- **Using the Anthropocene as a teaching, communication and community engagement opportunity** *ANTHROPOCENE REVIEW*
Mychajliw, A. M., Kemp, M. E., Hadly, E. A.
2015; 2 (3): 267-278
- **Extinction biases in Quaternary Caribbean lizards** *GLOBAL ECOLOGY AND BIOGEOGRAPHY*
Kemp, M. E., Hadly, E. A.
2015; 24 (11): 1281-1289
- **Thermal niche predicts tolerance to habitat conversion in tropical amphibians and reptiles** *GLOBAL CHANGE BIOLOGY*
Frishkoff, L. O., Hadly, E. A., Daily, G. C.
2015; 21 (11): 3901-3916
- **Evidence for the peopling of South America: archeological and genetic perspectives**
Goldberg, A., Mychajliw, A. M., Sztraicher, D., Hadly, E. A.
WILEY-BLACKWELL.2015: 148
- **Loss of avian phylogenetic diversity in neotropical agricultural systems** *SCIENCE*
Frishkoff, L. O., Karp, D. S., M'Gonigle, L. K., Mendenhall, C. D., Zook, J., Kremen, C., Hadly, E. A., Daily, G. C.
2014; 345 (6202): 1343-1346
- **Loss of avian phylogenetic diversity in neotropical agricultural systems.** *Science*
Frishkoff, L. O., Karp, D. S., M'Gonigle, L. K., Mendenhall, C. D., Zook, J., Kremen, C., Hadly, E. A., Daily, G. C.
2014; 345 (6202): 1343-1346
- **Translating science for decision makers to help navigate the Anthropocene** *ANTHROPOCENE REVIEW*
Barnosky, A. D., Hadly, E. A., Dirzo, R., Fortelius, M., Stenseth, N.
2014; 1 (2): 160-170
- **Predicting biodiversity change and averting collapse in agricultural landscapes.** *Nature*
Mendenhall, C. D., Karp, D. S., Meyer, C. F., Hadly, E. A., Daily, G. C.
2014; 509 (7499): 213-217
- **Predicting biodiversity change and averting collapse in agricultural landscapes** *NATURE*
Mendenhall, C. D., Karp, D. S., Meyer, C. F., Hadly, E. A., Daily, G. C.
2014; 509 (7499): 213-?
- **A call for tiger management using "reserves" of genetic diversity.** *journal of heredity*
Bay, R. A., Ramakrishnan, U., Hadly, E. A.

2014; 105 (3): 295-302

- **Introducing the Scientific Consensus on Maintaining Humanity's Life Support Systems in the 21 st Century: Information for Policy Makers** *ANTHROPOCENE REVIEW*
Barnosky, A. D., Brown, J. H., Daily, G. C., Dirzo, R., Ehrlich, A. H., Ehrlich, P. R., Eronen, J. T., Fortelius, M., Hadly, E. A., Leopold, E. B., Mooney, H. A., Myers, J., Naylor, et al
2014; 1 (1): 78–109
- **Problem solving in the Anthropocene** *ANTHROPOCENE REVIEW*
Barnosky, A. D., Hadly, E. A.
2014; 1 (1): 76-77
- **Molecular diagnosis of bird-mediated pest consumption in tropical farmland.** *SpringerPlus*
Karp, D. S., Judson, S., Daily, G. C., Hadly, E. A.
2014; 3: 630-?
- **Molecular diagnosis of bird-mediated pest consumption in tropical farmland.** *SpringerPlus*
Karp, D. S., Judson, S., Daily, G. C., Hadly, E. A.
2014; 3: 630-?
- **Forest bolsters bird abundance, pest control and coffee yield** *ECOLOGY LETTERS*
Karp, D. S., Mendenhall, C. D., Sandi, R. F., Chaumont, N., Ehrlich, P. R., Hadly, E. A., Daily, G. C.
2013; 16 (11): 1339-1347
- **Asymmetrical Competition between *Microtus montanus* and *Microtus longicaudus* in the Greater Yellowstone Ecosystem** *AMERICAN MIDLAND NATURALIST*
Anich, P. S., Hadly, E. A.
2013; 170 (2): 274-286
- **Sustaining ecosystem functions in a changing world: a call for an integrated approach** *JOURNAL OF APPLIED ECOLOGY*
Tomimatsu, H., Sasaki, T., Kurokawa, H., Bridle, J. R., Fontaine, C., Kitano, J., Stouffer, D. B., Vellend, M., Bezemer, T., Fukami, T., Hadly, E. A., van der Heijden, M. A., Kawata, et al
2013; 50 (5): 1124–30
- **Morphological Adaptations for Digging and Climate-Impacted Soil Properties Define Pocket Gopher (*Thomomys* spp.) Distributions.** *PloS one*
Marcy, A. E., Fendorf, S., Patton, J. L., Hadly, E. A.
2013; 8 (5)
- **Genetic diversity within vertebrate species is greater at lower latitudes** *EVOLUTIONARY ECOLOGY*
Adams, R. I., Hadly, E. A.
2013; 27 (1): 133-143
- **Approaching a state shift in Earth's biosphere** *NATURE*
Barnosky, A. D., Hadly, E. A., Bascompte, J., Berlow, E. L., Brown, J. H., Fortelius, M., Getz, W. M., Harte, J., Hastings, A., Marquet, P. A., Martinez, N. D., Mooers, A., Roopnarine, et al
2012; 486 (7401): 52-58
- **Ancient DNA Assessment of Tiger Salamander Population in Yellowstone National Park** *PLOS ONE*
McMenamin, S. K., Hadly, E. A.
2012; 7 (3)
- **Genetic variation over 10 000 years in *Ctenomys*: comparative phylochronology provides a temporal perspective on rarity, environmental change and demography** *MOLECULAR ECOLOGY*
Chan, Y. L., Hadly, E. A.
2011; 20 (22): 4592-4605
- **Predicting small-mammal responses to climatic warming: autecology, geographic range, and the Holocene fossil record** *GLOBAL CHANGE BIOLOGY*
Terry, R. C., Li, C. (., Hadly, E. A.
2011; 17 (10): 3019-3034
- **HIGH LEVELS OF GENE FLOW IN THE CALIFORNIA VOLE (*MICROTUS CALIFORNICUS*) ARE CONSISTENT ACROSS SPATIAL SCALES** *WESTERN NORTH AMERICAN NATURALIST*

-
- Adams, R. I., Hadly, E. A.
2010; 70 (3): 296-311
- **Small mammal diversity loss in response to late-Pleistocene climatic change** *NATURE*
Blois, J. L., McGuire, J. L., Hadly, E. A.
2010; 465 (7299): 771-U5
 - **Dispersal provided resilience to range collapse in a marine mammal: insights from the past to inform conservation biology** *MOLECULAR ECOLOGY*
Pinsky, M. L., Newsome, S. D., Dickerson, B. R., Fang, Y., Van Tuinen, M., Kennett, D. J., Ream, R. R., Hadly, E. A.
2010; 19 (12): 2418-2429
 - **Isotopes reveal limited effects of middle Pleistocene climate change on the ecology of mid-sized mammals** *QUATERNARY INTERNATIONAL*
Feranec, R. S., Hadly, E. A., Paytan, A.
2010; 217 (1-2): 43-52
 - **Developmental dynamics of *Ambystoma tigrinum* in a changing landscape.** *BMC ecology*
McMenamin, S. K., Hadly, E. A.
2010; 10: 10-?
 - **Source-sink dynamics structure a common montane mammal** *MOLECULAR ECOLOGY*
O'Keefe, K., Ramakrishnan, U., van Tuinen, M., Hadly, E. A.
2009; 18 (23): 4775-4789
 - **Niche conservatism above the species level** *Arthur M Sackler Colloquium of the National-Academy-of-Sciences on Biogeography, Changing Climates and Niche Evolution*
Hadly, E. A., Spaeth, P. A., Li, C.
NATL ACAD SCIENCES.2009: 19707-19714
 - **Biogeography, changing climates, and niche evolution** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Wake, D. B., Hadly, E. A., Ackerly, D. D.
2009; 106: 19631-19636
 - **Do complex population histories drive higher estimates of substitution rate in phylogenetic reconstructions?** *MOLECULAR ECOLOGY*
Ramakrishnan, U., Hadly, E. A.
2009; 18 (21): 4341-4343
 - **PHYLOGEOGRAPHY OF MICROTUS LONGICAUDUS IN THE TECTONICALLY AND GLACIALLY DYNAMIC CENTRAL ROCKY MOUNTAINS** *JOURNAL OF MAMMALOGY*
Spaeth, P. A., Van Tuinen, M., CHAN, Y. L., Terca, D., Hadly, E. A.
2009; 90 (3): 571-584
 - **Using phylochronology to reveal cryptic population histories: review and synthesis of 29 ancient DNA studies** *MOLECULAR ECOLOGY*
Ramakrishnan, U., Hadly, E. A.
2009; 18 (7): 1310-1330
 - **Mammalian Response to Cenozoic Climatic Change** *ANNUAL REVIEW OF EARTH AND PLANETARY SCIENCES*
Blois, J. L., Hadly, E. A.
2009; 37: 181-208
 - **Stable isotopes reveal seasonal competition for resources between late Pleistocene bison (Bison) and horse (Equus) from Rancho La Brea, southern California** *PALAEO GEOGRAPHY PALAEOCLIMATOLOGY PALAEOECOLOGY*
Feranec, R. S., Hadly, E. A., Paytan, A.
2009; 271 (1-2): 153-160
 - **Climatic change and wetland desiccation cause amphibian decline in Yellowstone National Park** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
McMenamin, S. K., Hadly, E. A., Wright, C. K.
2008; 105 (44): 16988-16993
 - **Fire and ice: genetic structure of the Uinta ground squirrel (*Spermophilus armatus*) across the Yellowstone hotspot** *MOLECULAR ECOLOGY*

- van Tuinen, M., O'Keefe, K., Ramakrishnan, U., Hadly, E. A.
2008; 17 (7): 1776-1788
- **The role of molecular genetics in sculpting the future of integrative biogeography** *PROGRESS IN PHYSICAL GEOGRAPHY*
Riddle, B. R., Dawson, M. N., Hadly, E. A., Hafner, D. J., Hickerson, M. J., Mantooh, S. J., Yoder, A. D.
2008; 32 (2): 173-202
 - **Environmental influences on spatial and temporal patterns of body-size variation in California ground squirrels (*Spermophilus beecheyi*)** *JOURNAL OF BIOGEOGRAPHY*
Blois, J. L., Feranec, R. S., Hadly, E. A.
2008; 35 (4): 602-613
 - **Determining landscape use of Holocene mammals using strontium isotopes** *OECOLOGIA*
Feranec, R. S., Hadly, E. A., Paytan, A.
2007; 153 (4): 943-950
 - **The shifting baseline of northern fur seal ecology in the northeast Pacific Ocean** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Newsome, S. D., Etnier, M. A., Gifford-Gonzalez, D., Phillips, D. L., van Tuinen, M., Hadly, E. A., Costa, D. P., Kennett, D. J., Guilderson, T. P., Koch, P. L.
2007; 104 (23): 9709-9714
 - **Non-random patterns in the Yellowstone ecosystem: inferences from mammalian body size, order and biogeographical affinity** *GLOBAL ECOLOGY AND BIOGEOGRAPHY*
Bruzgul, J. E., Hadly, E. A.
2007; 16 (2): 139-148
 - **Radiocarbon dates from the pleistocene fossil deposits of Samwel Cave, Shasta County, California, USA** *RADIOCARBON*
Feranec, R. S., Hadly, E. A., Blois, J. L., Barnosky, A. D., Paytan, A.
2007; 49 (1): 117-121
 - **Bayesian estimation of the timing and severity of a population bottleneck from ancient DNA** *PLOS GENETICS*
Chan, Y. L., Anderson, C. N., Hadly, E. A.
2006; 2 (4): 451-460
 - **Ancient DNA reveals Holocene loss of genetic diversity in a South American rodent** *BIOLOGY LETTERS*
Chan, Y. L., Lacey, E. A., Pearson, O. P., Hadly, E. A.
2005; 1 (4): 423-426
 - **Community inertia of quaternary small mammal assemblages in North America** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
McGill, B. J., Hadly, E. A., Maurer, B. A.
2005; 102 (46): 16701-16706
 - **Detecting past population bottlenecks using temporal genetic data** *MOLECULAR ECOLOGY*
Ramakrishnan, U., Hadly, E. A., Mountain, J. L.
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