

W. BRYAN JENNINGS

Department of Evolution, Ecology, & Organismal Biology
University of California, Riverside
Riverside, CA 92521, USA

Department of Vertebrates
Post-Graduate Program in Zoology
National Museum of Brazil, Federal University of Rio de Janeiro,
Quinta da Boa Vista, 20940-040
Rio de Janeiro, Brazil

Email: bryan.jennings@ucr.edu

EDUCATION

2002 Ph.D. Ecology, Evolution, & Behavior, University of Texas at Austin
1993 M.S. Biology, University of Texas at Arlington
1990 B.A. Zoology, University of California at Santa Barbara

PROFESSIONAL POSITIONS

2020-Present Associate Professional Researcher, Department of Evolution, Ecology, & Organismal Biology, University of California, Riverside.
2018-Present Senior Research Associate. Department of Vertebrates and Graduate Program in Zoology, National Museum of Brazil, Federal University of Rio de Janeiro.
2010-18 Foreign Visiting Professor. Department of Vertebrates and Graduate Program in Zoology, National Museum of Brazil, Federal University of Rio de Janeiro.
2006-10 Assistant Professor. Department of Biological Sciences, Humboldt State University.
2005-06 Teaching Fellow. Department of Molecular & Cellular Biology and Department of Organismic & Evolutionary Biology, Harvard University.
2004-05 Postdoctoral Fellow. Department of Organismic & Evolutionary Biology and Museum of Comparative Zoology, Harvard University. Advisor: Scott V. Edwards.
2002-04 Postdoctoral Fellow. Department of Biology and Burke Museum of Natural History and Culture, University of Washington. Advisor: Scott V. Edwards.
1996-2002 Doctoral degree student and Graduate Teaching Assistant. Department of Integrative Biology, University of Texas at Austin. Advisor: Eric R. Pianka.
1993-95 Zoologist (GS-9). U. S. Bureau of Land Management (transferred to USGS in 1995), Riverside, California. Supervisor: Kristin H. Berry.
1991-93 Masters degree student and Graduate Teaching Assistant. Department of Biology, University of Texas at Arlington. Advisor: Jonathan A. Campbell.
1991 Naturalist. Desert Tortoise Research Natural Area, Kern County, California. (seasonal position March-June).

BOOK

Jennings, W. B. 2016. *Phylogenomic Data Acquisition: Principles and Practice*. CRC Press/Taylor & Francis.

BOOK CHAPTER

Jennings, W. B. and E. R. Pianka. 2004. Tempo and timing of the Australian *Varanus* radiation. In Eric R. Pianka and Dennis R. King (Eds.), *Varanoid Lizards of the World*. Indiana Univ. Press.

PEER-REVIEWED PUBLICATIONS

- Melo-Sampaio*, P. R., P. Passos, A. D. R. Martins, W. B. Jennings, J. C. Moura-Leite, S. A. A. Morato, M. V. Silva, N. M. Venâncio, and M. B. Souza. 2020. A phantom in the trees: integrative taxonomy reveals an astonishing new lineage (Dipsadidae: Xenodontinae) from a bamboo-dominated forest in southwestern Amazonia with striking novelties for rear-fanged snakes systematics. *Zoologischer Anzeiger* 290(2021):19-39.
- Jennings, W. B., P. A. Ruschi*, G. Ferraro*, C. Quijada*, C. Gomes-Malanski, F. Prosdocimi, and P. A. Buckup. 2019. Barcoding the Neotropical freshwater fish fauna using a new pair of universal COI primers with a discussion of primer dimers and M13 primer tails. *Genome* <https://doi.org/10.1139/gen-2018-0145>
- Dumans, A. T. N., G. W. Teixeira*, G. A. Vieira*, D. S. Sarzi*, C. Furtado, W. B. Jennings, and F. Prosdocimi. 2019. Complete mitochondrial genomes for the lizards *Anolis punctatus*, *Sceloporus woodi* and *S. grammicus*: a contribution to the mitochondrial phylogenomics of Iguanoidea. *Mitochondrial DNA Part A* DOI: 10.1080/23802359.2019.1574625.
- Souto-Santos I. C. A.*, G. A. Ferraro*, W. B. Jennings, G. L. S. Vergara*, P. A. Buckup. 2019. Geographic distribution of *Phalloceros* Eigenmann, 1907 (Cyprinodontiformes: Poeciliidae) in the Ilha Grande Bay Hydrographic Region, Rio de Janeiro, Brazil. *Checklist* <https://doi.org/10.15560/15.1.1>.
- Jennings, W. B. 2017. On the independent gene trees assumption in phylogenomic studies. *Molecular Ecology*, doi: 10.1111/mec.14274.
- Costa*, I. R., F. Prosdocimi, W. B. Jennings. 2016. In silico phylogenomics using complete genomes: a case study on the evolution of hominoids. *Genome Research*, 26:1257-1267.
- Amaral, F. R., S. V. Edwards, M. R. Pie, W. B. Jennings, M. Svensson-Coelho, F. M. d'Horta, C. J. Schmitt*, M. Maldonado. 2016. The Atlantis Forest hypothesis does not explain Atlantic Forest phylogeography. *Proceedings of the National Academy of Sciences*, 113:E2097-E2098.
- Jennings, W. B., H. Wogel, M. Bilate*, R. D. O. Salles*, P. A. Buckup. 2016. DNA barcoding reveals species level divergence between populations of the microhylid frog genus *Arcovomer* (Anura: Microhylidae) in the Atlantic Rainforest of southeastern Brazil. *Mitochondrial DNA Part A*, 27:3415-3422.
- Prosdocimi, F. P., H. Souto*, P. A. Ruschi*, C. Furtado, W. B. Jennings. 2015. Complete mitochondrial genome of the versicoloured emerald hummingbird *Amazilia versicolor*, a polymorphic species. *Mitochondrial DNA Part A*, doi: 10.3109/19401736.2015.1007352.
- Jennings, W. B. and K. H. Berry. 2015. Desert Tortoises (*Gopherus agassizii*) are selective herbivores that track the flowering phenology of their preferred food plants. *PLoS One*, doi: 10.1371/journal.pone.0116716.

- Souto*, H. M., P. A. Ruschi*, C. Furtado, W. B. Jennings, F. Prosdocimi. 2014. The complete mitochondrial genome of the ruby-topaz hummingbird *Chrysolampis mosquitus* through Illumina sequencing. *Mitochondrial DNA Part A*, doi: 10.3109/19401736.2014.915533.
- Gottscho*, A. D., S. B. Marks, W. B. Jennings. 2014. Speciation, population structure, and demographic history of the Mojave Fringe-toed Lizard (*Uma scoparia*), a species of conservation concern. *Ecology and Evolution*, doi: 10.1002/ece3.1111.
- Reilly*, S. B., M. F. Mulks, J. M. Reilly, W. B. Jennings, D. B. Wake. 2013. Genetic diversity of Black Salamanders (*Aneides flavipunctatus*) across watersheds in the Klamath Mountains. *Diversity*, 5:657-679.
- Vandergast, A. G., R. D. Inman, K. R. Barr, K. Nussear, T. Esque, S. A. Hathaway, D. A. Wood, J. W. Breinholt, C. L. Stephen, A. D. Gottscho*, S. B. Marks, W. B. Jennings, R. N. Fisher. 2013. Evolutionary hotspots in the Mojave Desert. *Diversity*, 5:293-319.
- Reilly*, S. B., S. B. Marks, W. B. Jennings. 2012. Defining evolutionary boundaries across parapatric ecomorphs of Black Salamanders (*Aneides flavipunctatus*) with conservation implications. *Molecular Ecology*, 21:5745–5761.
- Harmon, L. J., J. B. Losos, T. J. Davies, R. G. Gillespie, J. L. Gittleman, W. B. Jennings, K. H. Kozak, M. A. McPeck, F. Moreno-Roark, T. J. Near, A. Purvis, R. E. Ricklefs, D. Schluter, J. A. Schulte II, O. Seehausen, B. L. Sidlauskas, O. Torres-Carvajal, J. T. Weir, A. Ø. Mooers. 2010. Early bursts of body size and shape evolution are rare in comparative data. *Evolution*, 64:2385–2396.
- Reilly*, S. B., A. D. Gottscho*, J. M. Garwood, W. B. Jennings. 2010. Phylogenetic analysis of common garter snake (*Thamnophis sirtalis*) stomach contents detects cryptic range of a secretive salamander (*Ensatina eschscholtzii oregonensis*). *Herpetological Conservation & Biology*, 5:395-402.
- Jennings, W. B. and S. V. Edwards. 2005. Speciation history of Australian grass finches (*Poephila*) inferred from thirty gene trees. *Evolution*, 59:2033-2047.
- Edwards, S. V., W. B. Jennings, A. Shedlock. 2005. Phylogenetics of modern birds in the era of genomics. *Proceedings of the Royal Society of London series B*, 272:979-992.
- Edwards, S. V., S. B. Kingan*, J. D. Calkins, C. N. Balakrishnan, W. B. Jennings, W. J. Swanson, M. D. Sorenson. 2005. Speciation in birds: genes, geography, and sexual selection. *Proceedings of the National Academy of Sciences*, 102:6550-6557.
- Jennings, W. B., E. R. Pianka, S. Donnellan. 2003. Systematics of lizards in the family Pygopodidae with implications for the diversification of Australian temperate biotas. *Systematic Biology*, 52:757-780.
- Jennings, W. B. 2002. Diet selection by the desert tortoise in relation to the flowering phenology of ephemeral plants. *Chelonian Conservation and Biology*, 4:353-358.
- Jennings, W. B. 2001. Comparative flowering phenology of plants in the western Mojave Desert. *Madroño*, 48:162-171.
- Pearson, D., R. Shine, X. Bonnet, A. Williams, W. B. Jennings, O. Lourdais. 2001. Ecological notes on crowned snakes, *Elapognathus coronatus*, from the Archipelago of the Recherche in southwestern Australia. *Australian Zoologist*, 31:610-617.
- Jennings, W. B. and G. G. Thompson. 1999. Territorial behavior in the Australian scincid lizard *Ctenotus fallens*. *Herpetologica*, 55:352-361.
- Jennings, W. B. 1997. The desert tortoise and its habitat: implications of exotic plant invasions. *Proceedings: Conservation, Restoration, and Management of Turtles and Tortoises, An International Conference*. The New York Turtle and Tortoise Society.

- Jennings, W. B. 1997. Habitat use, food preferences, and impacts of off-road vehicles on the desert tortoise, *Gopherus agassizii*, in the western Mojave Desert. *Proceedings: Conservation, Restoration, and Management of Tortoises and Turtles, An International Conference*. The New York Turtle and Tortoise Society.
- Boarman, W. I., M. Sazaki, W. B. Jennings. 1997. The effects of roads, barrier fences, and culverts on desert tortoise populations in California, USA. *Proceedings: Conservation, Restoration, and Management of Tortoises and Turtles, An International Conference*. The New York Turtle and Tortoise Society.
- Bradford, D. F., M. S. Gordon, D. F. Johnson, R. D. Andrews, W. B. Jennings. 1994. Acidic deposition as an unlikely cause for amphibian population declines in the Sierra Nevada, California. *Biological Conservation*, 69:155-161.
- Jennings, W. B. and C. L. Fontenot. 1993. Observations on the feeding behavior of desert tortoises (*Gopherus agassizii*) at the Desert Tortoise Research Natural Area, Kern County, California. *Proceedings of the 17th Annual Meeting and Symposium of the Desert Tortoise Council*.
- Boarman, W. I., M. Sazaki, K. H. Berry, G. Goodlet, W. B. Jennings, A. P. Woodman. 1993. Measuring the effectiveness of a tortoise-proof fence and culverts: report from the first field season. *Proceedings of the 17th Annual Meeting and Symposium of the Desert Tortoise Council*.
- Jennings, W. B., D. F. Bradford, D. F. Johnson. 1992. Dependence of the garter snake *Thamnophis elegans* on amphibians in the Sierra Nevada of California. *Journal of Herpetology*, 26:503-505.
- Mendelson, J. R. and W. B. Jennings. 1992. Shifts in the relative abundance of snakes in a desert grassland. *Journal of Herpetology*, 26:135-159.

*graduate student author

UNDERGRADUATE HONORS THESIS COMMITTEES

- Gabriela Cristina Jacob de Souza (2015), Federal University of the State of Rio de Janeiro (UNIRIO). Thesis title: "Detection of genetic diversity of *Euryoryzomys macconnelli* (Rodentia: Cricetidae: Sigmodontinae) from the high elevation sites in eastern Brazil."
- Marcos de Oliveira Rafael da Cruz (2014), Federal University of the State of Rio de Janeiro (UNIRIO). Thesis title: "Molecular identification and phylogeography of *Delomys dorsalis* (Mammalia: Rodentia: Cricetidae) from the phylogenetic analysis of mitochondrial DNA."

CURRENT GRADUATE STUDENTS

- Igor Cavalcanti de Araújo Souto Santos, National Museum of Brazil, Federal University of Rio de Janeiro (co-advised with Paulo Buckup). Enrolled as a masters student in the Graduate Program in Zoology.

PAST GRADUATE STUDENTS

- Piero A. Ruschi, Ph.D. Zoology (2016), National Museum of Brazil, Federal University of Rio de Janeiro (co-advised with Marcos Raposo). Dissertation title: "Molecular phylogeny and evolution of the *Amazilia versicolor* (Vieillot, 1818) species complex (Aves: Apodiformes: Trochilidae)."

- Carla Quijada, Ph.D. Zoology (2016), National Museum of Brazil, Federal University of Rio de Janeiro (co-advised with Paulo Backup). Dissertation title: “Multilocus phylogeography of the *Characidium grajubaense* species complex in the Brazilian Atlantic Rainforest.”
- Igor R. Costa, M. S. Bioinformatics (2015), Federal University of Rio de Janeiro (co-advised with Francisco Prosdocimi). Thesis title: “ALFIE: A computer program that performs exhaustive searches for anonymous loci in complete genomes.”
- Andrew D. Gottscho, M. A. Biology (2010), Humboldt State University (co-advised with Sharyn Marks). Thesis title: “Coalescent analysis of fifteen nuclear loci reveals Pleistocene speciation and low genetic diversity in the Mojave Fringe-Toed Lizard (*Uma scoparia*).”
- Sean B. Reilly, M. A. Biology (2009), Humboldt State University (co-advised with Sharyn Marks). Thesis title: “Estimating gene flow between Black Salamander (*Aneides flavipunctatus*) populations: a multi-locus coalescent approach.”

GRADUATE STUDENT MASTERS THESIS OR DISSERTATION COMMITTEES

- Ricardo Marques Dias, Ph.D. Ecology and Evolution (2019), Federal University of Rio de Janeiro. Dissertation title: “Different evolutionary patterns in the saddled blenny *Malacoctenus triangulatus* complex species (Blenniformes: Labrisomidae) from western Tropical Atlantic.”
- María Paula Rozo, Ph.D. Ecology and Evolution (2019), Federal University of Rio de Janeiro. Dissertation title: “Comparative phylogeography of aquatic insects used to investigate their evolutionary histories in the Amazon basin.”
- Paulo Roberto Melo Sampaio, Ph.D. Zoology (2018), Federal University of Rio de Janeiro. Dissertation title: Systematic revision of the *Atractus schach*/*A. snethlageae* species complex (Serpentes: Dipsadidae: Dipsadinae).”
- Maithê Gaspar Pontes Magalhães, M. S. Computational and Systems Biology (2018), Oswaldo Cruz Institute (FIOCRUZ). Thesis title: “Description of the Molecular Biodiversity of *Hypancistrus zebra* (Loricariidae: Siluriformes).”
- Nicholas Costa Barroso Lima, Ph.D. Biochemistry and Bioinformatics (2017), Federal University of Rio de Janeiro. Dissertation title: “Comparative genomics of birds: the genomes of the Blue-fronted Parrot and the Bar-tailed Godwit.”
- Samantha Palhano, M. S. Zoology (2015), Federal University of Rio de Janeiro. Thesis title: “Phylogeographic patterns in an Atlantic Rainforest antbird species complex.”
- Ricardo Marques Dias, M. S. Zoology (2015), Federal University of Rio de Janeiro. Thesis title: “Phylogeography, connectivity, and molecular systematics of *Malacoctenus triangulatus*.”
- Annelise Frazão Nunes, M. S. Biology (2013), Federal University of Rio de Janeiro. Thesis title: “Origin, diversification, and biogeography of the Neobatrachia Reig, 1958 (Amphibia, Anura).”
- Zac Loman, M. A. Biology (2010), Humboldt State University. Thesis title: “Response of a North American Wood Warbler, the Golden-cheeked Warbler (*Dendroica chrysoparia*) to anthropogenic noise.”
- Cheryl Bondi, M. A. Biology (2009), Humboldt State University. Thesis title: “Seasonal movement patterns in the Western Pond Turtle.”
- Nicholas Kerhoulas, M. A. Biology (2008), Humboldt State University. Thesis title: “Molecular systematics of meso-american flying squirrels.”

POSTDOCTORAL FELLOW

Ana Cecilia Gomes Silva (co-advised with Paulo Buckup, 2016-18), Department of Vertebrates, National Museum of Brazil, Federal University of Rio de Janeiro.

TEACHING

- Phylogeography. Graduate Program in Zoology, National Museum of Brazil, Federal University of Rio de Janeiro. Graduate course co-taught with Marcelo Weksler.
- Molecular Systematics Workshop. Graduate Program in Zoology, National Museum of Brazil, Federal University of Rio de Janeiro. One-week graduate course in January 2009.
- BIOL 104 General Biology. Department of Biological Sciences, Humboldt State University. General Education course for non-biology undergraduate majors.
- BIOL 440/540 Genetics Laboratory. Department of Biological Sciences, Humboldt State University. Course for senior-level undergraduates and masters students.
- BIOL 480/580 Bioinformatics. Department of Biological Sciences, Humboldt State University. Lecture and laboratory course for undergraduate and masters students.
- BIOL 480/580 Molecular Biology & Genomics. Department of Biological Sciences, Humboldt State University. Lecture and lab course for undergraduate and masters students.
- BIOL 548 Biogeography. Department of Biological Sciences, Humboldt State University. Seminar course for masters students co-taught with Jeffrey White.
- LS 1b Genetics, Genomics, & Evolution. Department of Molecular and Cellular Biology, Harvard University. Taught two undergraduate labs and graded exams during spring semester 2006.
- BS 52 Introductory Molecular Biology. Department of Molecular and Cellular Biology, Harvard University. Taught two undergraduate labs and graded exams during fall semester 2005.
- BIO 325 Genetics. Department of Integrative Biology, University of Texas at Austin. Taught discussion sections and graded exams.
- BIO 357 Evolutionary Ecology. Department of Integrative Biology, University of Texas at Austin. Taught discussion sections and graded exams.
- BIO 342L Field Ornithology. Department of Integrative Biology, University of Texas at Austin. Taught discussion sections, graded exams, and led weekly field trips around Texas.

CONFERENCE PRESENTATIONS

- 2017 Buckup, P. A., A. C. G. Silva, T. E. Parente, C. Furtado, G. A. Ferraro*, W. B. Jennings. Phylogeny of Loricariidae (Siluriformes): New mitochondrial genomic data underscores the need to reevaluate the monophyly of the Hypotopomatinae. II International Symposium on phylogeny and classification of neotropical fishes. Londrina, Brazil.
- 2017 Souto-Santos*, I. C., P. A. Buckup, G. A. Ferraro*, W. B. Jennings. Description of the gonopodial tip of *Phalloceros titthos* Lucinda, 2008 (Cyprinodontiformes: Poeciliidae) and extension of the species distribution area. II International Symposium on phylogeny and classification of neotropical fishes. Londrina, Brazil.
- 2017 Invited to participate in symposium on evolutionary genomics of amphibians and reptiles at the Latin American Herpetological Congress. Quito, Ecuador (canceled for personal reasons).

- 2017 Buckup, P. A., T. E. Parente, C. D. Quijada*, W. B. Jennings, G. A. Ferraro*, A. C. G. Silva. DNA Barcoding reveals patterns of isolation and reconnection among coastal drainages of southeastern Brazil. Third Fish Barcode of Life World Conference. Porto Seguro, Brazil.
- 2015 Buckup, P. A., A. Carvalho-Filho, M. M. Mincarone, S. G. Poss, W. B. Jennings. Molecular identification of *Pontinus corallinus* and *P. rathbuni* (Scorpaeniformes: Scorpaenidae) on the Brazilian continental platform. XXI Brazilian Ichthyology Meeting. Recife, Brazil.
- 2015 Buckup, P. A., W. B. Jennings, T. E. Parente, M. G. Magalhães, P. C. Andrade*, G. A. Ferrero*. Molecular identification of Loricariidae (Siluriformes) species in the Paraíba do Sul basin and adjacent coastal drainages. XXI Brazilian Ichthyology Meeting. Recife, Brazil.
- 2015 Invited by the David Rockefeller Center for Latin American Studies at Harvard University to participate in round-table discussion as part of the International Symposium for Organismic Biology and Earth Sciences held at the University of São Paulo, Brazil.
- 2014 Buckup, P. A., G. B. M. Beltrão, I. C. A. S. Santos*, T. C. L. Silva, W. B. Jennings, D. F. Almeida. Management of Tissue Collections and the DNA Extracts of Fishes in the National Museum of Brazil. National Meeting about Biological Collections and their Interfaces. Rio de Janeiro, Brazil.
- 2013 Costa*, I. R., W. B. Jennings, F. Prosdocimi. An algorithm to find anonymous loci in partially sequenced genomes: bench validation and primer decay studies. 59th Brazilian Genetics Congress. São Paulo, Brazil.
- 2013 Souto*, H., P. A. Ruschi*, C. Furtado, W. B. Jennings, F. Prosdocimi. Sequencing, assembly and annotation of the complete mitochondrial genome for the hummingbird *Amazilia versicolor* and phylogenetic analyses against other nearly-finished Trochiliformes mitogenomes. 59th Brazilian Genetics Congress. São Paulo, Brazil.
- 2012 Gottscho*, A. D., S. B. Marks, W. B. Jennings. Statistical phylogeography of fringe-toed lizards (*Uma*): inferring modes of speciation from multi-locus data. World Congress of Herpetology. Vancouver, Canada.
- 2012 Buckup, P. A., M. Weksler, W. B. Jennings, D. F. Almeida, L. Freitas, T. Nascimento, G. Araujo*. Management and institutional capacity for generating DNA barcodes at the National Museum/UFRJ. Meeting at the FioCruz Institute, Rio de Janeiro.
- 2010 Gottscho*, A. D., S. B. Marks, W. B. Jennings. Coalescent analysis of fifteen nuclear loci reveals Pleistocene speciation and low genetic diversity in the Mojave Fringe-toed Lizard (*Uma scoparia*). Society for the Study of Evolution and Society of Systematic Biologists Joint Meeting. Portland, OR.
- 2010 Reilly*, S. B., S. B. Marks, W. B. Jennings. Phylogeographic history of Black Salamander (*Aneides flavipunctatus*) populations inferred using two mitochondrial and thirteen nuclear loci. Society for the Study of Evolution and Society of Systematic Biologists Meeting. Portland, OR.
- 2008 Gottscho*, A. D., S. B. Marks, W. B. Jennings. Landscape genetics of the Mojave Fringe-toed Lizard, *Uma scoparia*: a multi-locus coalescent approach. American Society of Ichthyologists and Herpetologists Meeting. Montreal, Canada.
- 2008 Reilly*, S. B., S. B. Marks, W. B. Jennings. Estimating gene flow between Black Salamander (*Aneides flavipunctatus*) Populations: a multi-locus approach. American Society of Ichthyologists and Herpetologists Meeting. Montreal, Canada.
- 2004 Jennings, W. B. and S. V. Edwards. Speciation history of Australian finches inferred from thirty gene trees. American Ornithologists' Union and Society of Canadian Ornithologists Annual Meeting. Quebec City, Canada.

- 2004 Jennings, W. B. and S. V. Edwards. Speciation history of Australian finches inferred from thirty gene trees. Society for the Study of Evolution/Society of Systematic Biologists Annual Meetings. Ft. Collins, CO.
- 2003 Jennings, W. B. and S. V. Edwards. Estimation of ancestral population sizes and divergence times in Australian finches using multiple SNP loci. Society for the Study of Evolution/Society of Systematic Biologists Annual Meetings. Chico, CA.
- 2001 Jennings, W. B. Phylogeny, ecology, and the nature of cladogenesis in Australian pygopodid lizards. Annual Meeting Herpetologists' League and Society for the Study of Amphibians and Reptiles. Indianapolis, IN.
- 2001 Jennings, W. B. Phylogeny, ecology, and the nature of cladogenesis in Australian pygopodid lizards. Annual meeting American Society of Naturalists, Society of Systematic Biologists, and Society for the Study of Evolution. Knoxville, TN.
- 1999 Jennings, W. B., E. R. Pianka, S. Donnellan. Molecular phylogenetics of the lizard family Pygopodidae. American Society of Ichthyologists and Herpetologists Meeting. State College, PA.

*graduate student collaborator

FELLOWSHIPS AND GRANTS

- 2012-15 Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq) grant program Edital Universal 14/2012—Lane C. Projeto “Molecular Biodiversity of Fish Species Associated with the Streams and Rivers in the Coastal and Interior Basins of Southeastern Brazil.” (R\$117,170). Process CNPq 476822/2012-2. Paulo A. Buckup P.I. and W. Bryan Jennings Co-P.I.
- 2012-14 Fundação Carlos Chagas Filho de Amparo à Pesquisa do Estado do Rio de Janeiro (FAPERJ) grant program “Support for the Study of Biodiversity in the State of Rio de Janeiro (BIOTA-RJ)” Edital FAPERJ no. 12/2012. Project “Molecular Biodiversity of Vertebrates Endemic to the State of Rio de Janeiro.” (R\$185,423). Process E-26/111.404/2012. Paulo A. Buckup P.I. and W. Bryan Jennings Co-P.I.
- 2010-13 Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq) grant program Edital MCT/CNPq/FNDCT n ° 50/2010. Project “Management of Vouchers and Institutional Capacity for Generation of DNA Barcodes at the Museu Nacional and Federal University of Rio de Janeiro.” (R\$177,400). Process CNPq 564940/2010-0. Paulo A. Buckup P.I., W. Bryan Jennings Co-P.I., Marcelo Weksler Co-P.I. [*this was the seed grant we obtained to help build our new molecular biodiversity laboratory at the Museu Nacional*].
- 2012-14 CNPq Foreign Visiting Professor Fellowship awarded by the Brazilian Government. Department of Vertebrates, National Museum of Brazil, Federal University of Rio de Janeiro (two year fellowship).
- 2010-12 CAPES Foreign Visiting Professor Fellowship awarded by the Brazilian Government. Department of Vertebrates, National Museum of Brazil, Federal University of Rio de Janeiro (two year fellowship).
- 2010 Humboldt State University Office of Sponsored Programs meeting travel grant to attend the Annual International Evolution Meeting in Portland, Oregon, USA. (\$500). W. Bryan Jennings P.I.

- 2008-10 U. S. Army Research Office (ARO) research contract. Project “Landscape Genetics of the Mojave Fringe-toed Lizard (*Uma scoparia*).” (\$11,881). Contract W911-NF-08-1-0312. W. Bryan Jennings P.I. [*this funding supported the masters thesis research of my graduate student Andrew Gottscho*].
- 2008-10 The Community Foundation (Riverside, California, USA) grant. Project “Landscape Genetics of the Mojave Fringe-toed Lizard (*Uma scoparia*).” (\$4,000). W. Bryan Jennings P.I. [*this funding supported the masters thesis research of my graduate student Andrew Gottscho*].
- 2008-10 Joshua Tree National Park Association grant. Project “Landscape Genetics of the Mojave Fringe-toed Lizard (*Uma scoparia*).” (\$4,000). W. Bryan Jennings P.I. [*this funding supported the masters thesis research of my graduate student Andrew Gottscho*].
- 2008-10 Save-the-Redwoods League (San Francisco, California, USA) grant. Project “How Many Species of Black Salamanders Exist in the Redwood Forests?” (\$7,000). W. Bryan Jennings P.I. [*this funding supported the masters thesis research of my graduate student Sean Reilly*].
- 2008 Humboldt State University Office of Sponsored Programs faculty seed grant. (\$5,000). W. Bryan Jennings P.I. [*this funding supported my graduate students’ research*]
- 2006 New faculty laboratory start up funds at Humboldt State University (\$30,000)
- 2001 University of Texas at Austin, Student Hartmann Summer Fellowship (\$3,500)
- 2001 U. S. Geological Survey contract for desert tortoise research (\$6,000).
- 2000 University of Texas at Austin, Student Hartmann Summer Fellowship (\$3,500)
- 2000 University of Texas at Austin, College of Natural Sciences Scholarship (\$1,000)
- 2000 U. S. Geological Survey contract for desert tortoise research (\$9,900).
- 1999 University of Texas at Austin, Continuing University Fellowship (\$16,500)
- 1999 University of Texas at Austin, Zoology Scholarship for Excellence (\$1,200)
- 1999 U. S. Geological Survey contract for desert tortoise research (\$7,700)
- 1999 Society for the Study of Amphibians and Reptiles student research grant (\$500)
- 1998 University of Texas at Austin, Zoology Scholarship for Excellence (\$1,000)
- 1998 U. S. Geological Survey contract for desert tortoise research (\$9,000).
- 1997 University of Texas at Austin, Zoology Scholarship for Excellence (\$1,000)
- 1992 U. S. Bureau of Land Management contract for desert tortoise research (\$16,000)

INVITED SEMINARS

- 2012 Department of Ecology and Evolution, State University of Rio de Janeiro.
- 2011 Inaugural lecture to open new Molecular Laboratory of Biodiversity Research, National Museum of Brazil, Federal University of Rio de Janeiro.
- 2011 Inaugural lecture for new graduate students, Graduate Program in Zoology, National Museum of Brazil, Federal University of Rio de Janeiro.
- 2007 Museum of Vertebrate Zoology, University of California at Berkeley.
- 2006 Department of Biology, Western Washington University.
- 2006 Department of Biological Sciences, Humboldt State University.
- 2005 Department of Biology, Boston University.
- 2005 Department of Ecology & Evolutionary Biology, Cornell University.
- 2004 Division of Biological Sciences, University of Missouri at Columbia.

- 2004 Symposium in Honor of Eric R. Pianka, ASIH Meeting, University of Oklahoma.
 2004 Museum of Comparative Zoology, Harvard University.
 2003 Department of Biology, University of Washington.
 2002 Museum of Natural Science, Louisiana State University.
 2002 Department of Biological Sciences, Australian National University.
 2001 Department of Integrative Biology, University of California at Berkeley.
 2001 Museum of Vertebrate Zoology, University of California at Berkeley.

UNIVERSITY SERVICE

- 2019 Member, masters and Ph.D. student seminars committee. Graduate Program in Zoology, National Museum of Brazil, Federal University of Rio de Janeiro.
 2018 Examiner, english test for masters and Ph.D. student admissions. Graduate Program in Zoology, National Museum of Brazil, Federal University of Rio de Janeiro.
 2018 Examiner, english test for masters student admissions. Graduate Program in Botany, National Museum of Brazil, Federal University of Rio de Janeiro.
 2017 Member, doctoral student admissions committee. Graduate Program in Zoology, National Museum of Brazil, Federal University of Rio de Janeiro.
 2017 Examiner, english test for masters and Ph.D. student admissions. Graduate Program in Zoology, National Museum of Brazil, Federal University of Rio de Janeiro.
 2017 Examiner, english test for masters student admissions. Graduate Program in Botany, National Museum of Brazil, Federal University of Rio de Janeiro.
 2016 Examiner, english test for masters student admissions. Graduate Program in Botany, National Museum of Brazil, Federal University of Rio de Janeiro.
 2015 Member, masters and Ph.D. student seminars committee. Graduate Program in Zoology, National Museum of Brazil, Federal University of Rio de Janeiro.
 2015 Member, doctoral student admissions committee. Graduate Program in Zoology, National Museum of Brazil, Federal University of Rio de Janeiro.
 2015 Examiner, english test for doctoral student admissions. Graduate Program in Zoology, National Museum of Brazil, Federal University of Rio de Janeiro.
 2013-16 Technical coordinator, Molecular Laboratory of Biodiversity Research. Department of Vertebrates, National Museum of Brazil, Federal University of Rio de Janeiro.
 2011 Co-founder, Molecular Laboratory of Biodiversity Research, Department of Vertebrates, National Museum of Brazil, Federal University of Rio de Janeiro.
 2010- Faculty member, Department of Vertebrates, National Museum of Brazil, Federal University of Rio de Janeiro. Attended monthly departmental meetings (with voting rights), mentored undergraduates, masters students, Ph.D. students, and postdocs, and was a co-Principal Investigator on three large multi-year research grants.
 2010- English-language editor and reviewer. I helped Brazilian graduate students improve their english writing skills by correcting their manuscripts, which were submitted to english-language scientific journals.
 2010 Founder, Bioinformatics Certificate Program at Humboldt State University.
 2008-10 Chair, bioinformatics and biotechnology inter-departmental advisory group (Biological Sciences, Chemistry, Math, & Computer Science Departments), Humboldt State University.

- 2008-10 Member, graduate student awards committee. Department of Biological Sciences, Humboldt State University.
- 2007-09 Member, curriculum committee. Department of Biological Sciences, Humboldt State University.
- 2007-09 Seminar coordinator. Department of Biological Sciences, Humboldt State University.

PEER-REVIEWER FOR JOURNALS AND SERVICE ON GRANT PANELS

Austral Ecology, Australian Journal of Zoology, Biotropica, Canadian Journal of Zoology, The Condor, Copeia, Evolution, Gene, Genetics, Herpetologica, Herpetological Review, Journal of Arid Environments, Journal of Biogeography, Madroño, Molecular Ecology, Molecular Phylogenetics and Evolution, Nature, Peerj, PLOS One, Proceedings of the Royal Society B (London), Science, Science of the Total Environment, Systematic Biology, The Auk, Tissue Antigens, National Geographic Society, National Science Foundation Division of Environmental Biology (Systematics); CSUPERB Faculty-Student Seed Grant Review Panel.

PROFESSIONAL SOCIETY MEMBERSHIPS

Society of Systematic Biologists, Society for the Study of Evolution, Society for the Study of Amphibians and Reptiles, American Society of Ichthyologists and Herpetologists, Herpetologists League, Desert Tortoise Council

FOREIGN LANGUAGES

Fluent in Portuguese; some proficiency in Spanish.

REFERENCES

Scott V. Edwards
 Alexander Agassiz Professor of Zoology and Curator of Ornithology
 Museum of Comparative Zoology
 Department of Organismic & Evolutionary Biology
 Harvard University
 26 Oxford Street
 Cambridge, MA 02138
 Phone: 617-384-8082
 Email: sedwards@fas.harvard.edu

Jimmy A. McGuire
 John L. and Margaret B. Gompertz Professor of Integrative Biology and Curator of Herpetology
 Museum of Vertebrate Zoology
 Department of Integrative Biology
 3101 Valley Life Sciences Building
 University of California

Berkeley, CA 94720
Phone: 510-316-6201
Email: mcguirej@berkeley.edu

Marcelo Weksler
Professor of Zoology and Curator of Mammals
Departamento de Vertebrados
Museu Nacional, Universidade Federal do Rio de Janeiro
Quinta da Boa Vista, 20940-040
Rio de Janeiro, RJ, Brasil
Phone: 55-21-9-9571-4059 (Prof. Weksler is completely fluent in English)
Email: marcelo.weksler@gmail.com