

CURRICULUM VITAE

SCOTT J. STEPPAN

ADDRESS

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PROFESSIONAL EXPERIENCE

2011-present Professor, Florida State University
2007-present Research Associate, Field Museum of Natural History, Chicago
2004-2011 Associate Professor, Florida State University
1998-2004 Assistant Professor, Florida State University
1996-98 Smithsonian Visiting Scientist. (M. J. Braun, R. S. Hoffmann PIs).
1995-96 Smithsonian Fellow
1990-95 Teaching Assistant, University of Chicago.
1986-88 Teaching Assistant, Physical geography labs, San Diego State University.
1986 Research Assistant II. San Diego State University.
1984, 85 Program Assistant II, Coordinator of activities and public education for Earthquake Awareness Day. Lawrence Hall of Science, University of California, Berkeley.
1983 Research Assistant. UCLA/VA Hospital Wadsworth.

EDUCATION

Ph.D. 1995 University of Chicago. Evolutionary Biology. Dissertation title: Phylogenetic relationships of the phyllotine rodents (Sigmodontinae) and the evolution of phenotypic patterns of covariation in *Phyllotis*. (B.D. Patterson advisor).
M.S. 1992 University of Chicago. Evolutionary Biology.
M.A. 1988 San Diego State University. Geography. Thesis title: Geographic variation of flower morphological traits and boundary phenomenon in subspecies of *Lotus scoparius*.
B.A. 1983 University of California, Berkeley. Biology and Geography (with Academic Distinction).

FELLOWSHIPS AND AWARDS

2018 Nominated for University Teaching Award (student nomination)
2012 Guardian of the Flame Award recipient for the College of Arts and Sciences for excellence in teaching (from the student and alumni organization Burning Spear)
2000 Nominated for University Teaching Award (student nomination)
1995 Smithsonian Postdoctoral Fellowship. (M.D. Carleton, R. Thorington advisors).
1995 Ernst Mayr Award for best student paper, Society of Systematic Biologists.
1995 Outstanding Student Presentation, American Society of Mammalogists.
1992-93 Field Museum of Natural History, Rowley Graduate Fellowship.
1989-91 Searle Fellowship, University of Chicago.
1983 American Heart Association Student Internship.
1980-83 Alumni Scholarship, University of California, Berkeley.

GRANTS

- 2018 “Dynamics of an adaptive radiation: the sigmodontine rodents of South America.” NSF DEB- 1754748 (\$1,013,859, 5/15/2018-5/14/2022)
- 2016 FSU Bridge Funds (\$26,676)
- 2015 FSU EIEG Co-PI “3D surface scanning systems for morphometric data acquisition” D. Slice PI (\$16,000)
- 2014 FSU COFRS “Bivalves in Time and Space: Phylogenomics, biogeography, and life history evolution in living and fossil bivalves.” (\$14,000)
- 2011 FSU SGP “Evolutionary diversification in Philippine forest mice *Apomys*” (\$13,000)
- 2010 NSF REU Supplement to " Collaborative Research: Bivalves in time and space" (\$7,500)
- 2010 NSF REU Supplement to " Morphological and phylogenetic diversification of the muroid rodents" (\$7,500)
- 2009 “Collaborative Research: Bivalves in time and space: testing the accuracy of methods to reconstruct ancestral morphology, dates, geography, and diversification patterns.” NSF DEB-0918982 (\$415,580 to FSU of \$983,652 total)
- 2008 “Morphological and phylogenetic diversification of the muroid rodents.” NSF DEB-0841447 (\$540,000, 2/01/09-1/31/2014)
- 2008 “Testing macroevolutionary methods of analysis using bivalve mollusks.” FSU COFRS \$13,000
- 2007 "Micro Computed Tomography (μ CT) System for 3-D visualization of various materials" FSU EIEG Co-PI; Jasminka Ilich-Ernst PI (\$100,000)
- 2006 Supplement to “Phylogeny, Andean biogeography, and multivariate evolution in *Phyllotis*” NSF DEB-0108422 (\$21,000)
- 2005 “Collaborative Research: Muroid Rodent Phylogenetics Using Multiple Nuclear Genes” NSF DEB-0454673 to Scott J. Steppan and Ronald M. Adkins (\$400,000)
- 2005 “Phylogeny of the aeluroid Carnivora: a combined evidence approach” NSF DIG (Jill Holliday) DEB-0508848 (\$7,600).
- 2004 NSF REU Supplement to "Phylogeny, Andean Biogeography, and Multivariate Evolution in Phyllotine Rodents" (\$6,650)
- 2002 “Murid Rodent Phylogenetics Using Multiple Nuclear Genes” NSF DEB-0238837, to Ronald M. Adkins (PI) and Scott J. Steppan (Co-PI), (\$100,000)
- 2001 “Phylogeny, Andean biogeography, and multivariate evolution in *Phyllotis*” NSF DEB-0108422 (\$404,453)
- FSU Travel Grant to present paper at ASM Meetings (\$600)
- 1999 FSU First Year Assistant Professor Summer Salary Award (\$10,000)
- FSU Travel Grant to present paper at Evolution Meetings (\$600)
- 1997 “Molecular phylogenetics of the squirrels and their relatives.” Smithsonian Institution Scholarly Studies Program. Co-PI with Robert S. Hoffmann (PI). (\$69,000).
- 1995 Hinds Fund research grant extension, Committee on Evolutionary Biology, University of Chicago (\$700).
- 1993 Nierman Foundation Award (\$1000).
- 1993 Center for Latin American Studies Travel Grant (\$1377).
- 1993 Sigma Xi Grants-in-Aid of Research (\$600).
- 1993 American Museum of Natural History, Collection Study Grant.
- 1992 American Society of Mammalogy, Grant-In-Aid of Research (\$1000).
- 1992 Hinds Fund research grant, Committee on Evolutionary Biology, University of Chicago (\$1500).
- 1988 California Native Plant Society Research Grant (\$300).
- 1987 Teaching Micro-Grant for curriculum development, San Diego State University.

PUBLICATIONS (51 papers, 2368 citations, h-index=24, G-index=49, i10-index=30)

- In press Young, G. R., Yap, M. W., Michaux, J. R., **Steppan, S. J.**, and Stoye, J. P. The evolutionary journey of *Fv1*. *PNAS*.
- In press Alhajeri, B. H. and **Steppan, S. J.** Interspecific variation in skull morphology of rodents along aridity clines: a phylogenetic test of desert adaptation. *Journal of Mammalogy*.
- In press Alhajeri, B. H. and **Steppan, S. J.** Community structure in ecological assemblages of desert rodents. *Biological Journal of the Linnean Society*.
- In press Schenk, J. J., and **Steppan, S. J.** The role of biogeography in adaptive radiation. *American Naturalist*.
- 2018 Alhajeri, B.H. and **Steppan, S.J.** Phenotypic variance does not explain diversity patterns in muroid rodents (Rodentia: Muroidea). *Evolutionary Biology*.
- 2018 Alhajeri, B.H. and **Steppan, S.J.** Ecological and ecomorphological specialization are not associated with diversification rates in muroid rodents (Rodentia: Muroidea). *Evolutionary Biology*. <https://doi.org/10.1007/s11692-018-9449-8>
- 2018 Heaney, L. R., Kyriazis, C. C., Balete, D. S., **Steppan, S. J.**, and Rickart, E. A. How small an island? Speciation by endemic mammals (*Apomys*, Muridae) on an oceanic Philippine island. *Journal of Biogeography*.
- 2017 **Steppan, S. J.** and Schenk, J. J. Muroid rodent phylogenetics: 900-species tree reveals increasing diversification rates. *PLoS One*. 12(8): e0183070. <https://doi.org/10.1371/journal.pone.0183070>
- 2017 Wray, K. P., Means, D. B., and **Steppan, S. J.** Revision of the *Eurycea quadridigitata* (Holbrook 1842) complex of dwarf salamanders (Caudata: Plethodontidae: Hemidactyliinae) with a description of two new species. *Herpetological Monographs*. 31 (1): 18-46.
- 2017 Wray, K. P., and **Steppan, S. J.** Historical biogeography and diversification in a major lineage of salamanders (Plethodontidae: Spelerpinae) *Journal of Biogeography*. 44:797-809.
- 2016 Heaney, L.R., Balete, D.S., Duya, M.R.M., Duya, M.V., Jansa, S. A., **Steppan, S.J.**, Rickart, E.A. Doubling diversity: a cautionary tale of previously unsuspected mammalian diversity on a tropical oceanic island. *Frontiers in Biogeography*: 1-19.
- 2016 Martin, S.A., Alhajeri, B. H., and **Steppan, S.J.** Dietary adaptations in teeth of murine rodents (Muridae). *Biological Journal of the Linnean Society*. 119: 766-784.
- 2016 Alhajeri, B. H. and **Steppan, S. J.** Association between climate and body size in rodents (Order: Rodentia): A phylogenetic test of Bergmann's rule. *Mammalian Biology*. 81:219-26
- 2016 Gingerich, T.J., Stumpo, D.J., Lai, W.S., Randall, T.A., **Steppan, S.J.**, and Blackshear, P.J. Rapid Emergence and Evolution of *Zfp3613*. *Molecular Phylogenetics and Evolution*. 94: 518-530.
- 2016 Alhajeri, B. H., Schenk, J. J., and **Steppan, S. J.** Ecomorphological diversification following continental colonization in muroid rodents: a phenotypic test of the ecological opportunity model of adaptive radiation. *Biological Journal of the Linnean Society*. 117: 463-481.
- 2015 Herrera, N. D., ter Poorten, J. J., Bieler, R., Mikkelsen, P. M., Strong, R. E., Jablonski, D., and **Steppan, S. J.** Molecular phylogenetics and historical biogeography amid shifting continents in the cockles and giant clams (Bivalvia: Cardiidae). *Molecular Phylogenetics and Evolution*. 93:94-106.
- 2015 Alhajeri, B. H., Hunt, O. J., and **Steppan, S. J.** Molecular systematics of gerbils and deomyines (Rodentia: Gerbillinae, Deomyinae) and a test of desert adaptation in the tympanic bulla. *Journal of Zoological Systematics and Evolutionary Research*. 53(4): 312-330.
- 2015 **Steppan, S.J.** and Ramirez-Baca, O. Genus *Phyllotis*. In Mammals of South America. (Patton, J. L., Pardiñas, U.F.J., & D'Elia, G. ed.). University of Chicago Press. Pp 535-555.
- 2015 Polly, P. D., Cardini, A., Davis, E.B., and **Steppan, S.J.** Marmot evolution and global change in the last 10 million years. In Evolution of the Rodents: Advances in Phylogeny,

- Palaeontology and Functional Morphology, (Cox, P. and Hautier, L. eds.) Cambridge Univ. Press. Pp 246-276.
- 2015 Justiniano, R., Schenk, J.J., Balete, D.S., Rickart, E.A., Esselstyn, J.A. Heaney, L.R., and **Steppan, S.J.** Testing diversification models of endemic Philippine forest mice (*Apomys*) with nuclear phylogenies across elevational gradients reveals repeated colonization of isolated mountain ranges. *Journal of Biogeography*. 42(1):51-64.
- 2014 Schenk, J.J., and **Steppan, S.J.** Too long to read: Assessing the motivation behind graduate student attendance in reading groups. *Journal of College Science Teaching*. 44(2):64-69.
- 2014 Heaney, L.R., Balete, D.S., Veluz, M.J., **Steppan, S.J.**, Esselstyn, J.A., Pfeiffer, A.W., and Rickart, E.A. Two new species of Philippine forest mice (*Apomys*, Muridae, Rodentia) from Lubang and Luzon Islands, with a redescription of *Apomys sacobianus* Johnson, 1962. *Proceedings of the Biological Society of Washington*. 126(4):395-413
- 2013 Schenk, J.J., Rowe, K.C., and **Steppan, S.J.** Ecological opportunity and incumbency in the diversification of repeated continental colonizations by muroid rodents. *Systematic Biology*. 62(6):837-864.
- 2012 Ortiz, P. E., Jayat, J. P., and **Steppan, S. J.** A new fossil Phyllotini (Rodentia: Sigmodontinae) from Late Pliocene in the Andes of northwestern Argentina. *Journal of Vertebrate Paleontology* 32 (6): 1429-1441.
- 2012 Erickson, G.M., Gignac, P. M., **Steppan, S. J.**, Lappin, A. K., Vliet, K. A., Brueggen, J. DInouye, ., B. D., Kledzik, D., Webb, G. J. W.. Insights into the ecology and evolutionary success of crocodylians revealed through bite force and tooth pressure experimentation *PLoS ONE* 7(3): e31781. doi:10.1371/journal.pone.0031781.
- 2011 **Steppan, S. J.**, Kenagy, G. J., Zawadzki, C., Robles, R., Lyupanova, E.A., and Hoffmann, R.S. Molecular data resolve placement of the Olympic marmot and estimate dates of trans-Beringian interchange. *Journal of Mammalogy*. 92(5):1028-1037.
- 2011 Burns, J. H., Faden, R. B., and **Steppan, S. J.** Phylogeny of Commelinaceae inferred from nuclear ribosomal and chloroplast DNA sequences. *Systematic Botany*. 36(2):268-276.
- 2011 Lawrence R. Heaney, Danilo S. Balete, Eric A. Rickart, Phillip A. Alviola, Mariano Roy M. Duya, Melizar V. Duya, M. Josefa Veluz, Lawren VandeVrede, and **Scott J. Steppan**. Seven new species and a new subgenus of forest mice (Rodentia: Muridae: *Apomys*) from Luzon Island, Philippines. *Fieldiana: Life and Earth Sciences* 2: 1-60.
- 2010 Cooper, J., and **Steppan, S. J.** Developmental constraint on the evolution of marsupial forelimb morphology. *Australian Journal of Zoology*. 58: 1-15.
- 2010 van der Linde, K., Houle, D., Spicer, G., and **Steppan, S. J.** A supermatrix analysis of the family Drosophilidae. *Genetics Research*. 92: 25-38
- 2008 Harshman, J., Braun, E. L., Braun, M. J., Huddleston, C. J., Bowie. R. C. K., Chojnowski, J. L., Hackett, S. J., Han, K-L., Kimball, R. T, Marks, B. D., Miglia, K. J., Moore, W. S., Reddy, S., Sheldon, F. H., Steadman, D. W., **Steppan, S. J.**, Witt, C. J., and Yuri, T. Phylogenomic evidence for multiple losses of flight in ratite birds. *Proceedings of the National Academy of Science* 105 (36): 13462-13467.
- 2008 **Steppan, S. J.** Aligning the spaces: a comment on Polly - Developmental dynamics and G-matrices. *Evolutionary Biology*. 35(2):108-110.
- 2008 Good, J. M., Hird, S., Demboski, J. R., **Steppan, S. J.**, Martin-Nims, T.R., and Sullivan, J. Ancient hybridization and mitochondrial capture between two distantly related species of chipmunks (*Tamias*: Rodentia). *Journal of Molecular Ecology*. 17(5):1313-1327.
- 2008 Rowe, K., Reno, M. L., Richmond, D. M., Adkins, R. M., and **Steppan, S. J.** Pliocene colonization and adaptive radiations in Australia and New Guinea (Sahul): Multi-locus systematics of the Old Endemic rodents (Muroidea: Murinae). *Molecular Phylogenetics and Evolution*. 47: 84-101.
- 2007 **Steppan, S. J.**, Ramirez, O., Banbury, J., Huchon, D., Pacheco, V., Walker, L, and Spotorno, A.O.. A molecular reappraisal of the systematics of the leaf-eared mice *Phyllotis* and their relatives. Pp. 799-820 in *The quintessential naturalist: honoring the life and legacy*

- of Oliver P. Pearson (*Kelt, D. A., E. P. Lessa, J. A. Salazar-Bravo, and J. L. Patton, eds.*). *University of California Publications in Zoology* 134.
- 2005 **Steppan, S. J.**, Adkins, R. M., Spinks, P. Q., and Hale, C. Multigene phylogeny of the Old World mice Murinae reveals distinct geographic lineages and the declining utility of mitochondrial genes compared to nuclear genes. *Molecular Phylogenetics and Evolution*. 37:370-388.
- 2005 **Steppan, S. J.**, Seeing the Forest for the Trees. Book review of "Assembling the Tree of Life." *Science*. 307:677-678.
- 2004 **Steppan, S. J.**, Adkins, R.M., and Anderson, J. Phylogeny and divergence date estimates of murid rodents based on multiple nuclear genes. *Systematic Biology*. 53(4):533-553.
- 2004 Holliday, J. A. and **Steppan, S. J.** Evolution of hypercarnivory: the effect of specialization on morphological and taxonomic diversity. *Paleobiology*. 30(1):108-128.
- 2004 **Steppan, S. J.** Phylogenetic comparative analysis of multivariate data. In Phenotypic Integration. (eds., Pigliucci, M and Preston, K. A.). Oxford Univ. Press.
- 2004 **Steppan, S. J.**, Storz, B. L., and Hoffmann, R. S. Nuclear DNA phylogeny of the squirrels (Mammalia: Rodentia) and the evolution of arboreality from c-myc and RAG1. *Molecular Phylogenetics and Evolution*. 30:703-719.
- 2003 **Steppan, S. J.**, Zawadzki, C., and Heaney, L. R. Molecular phylogeny of the endemic Philippine rodent *Apomys* (Muridae) and the dynamics of diversification in an oceanic archipelago. *Biological Journal of the Linnean Society*. 80:699-715
- 2002 **Steppan, S.J.**, Houle, D., and Phillips, P.C. Comparative quantitative genetics: evolution of the G matrix. *Trends in Ecology and Evolution*. 17:320-327.
- 2002 Kuch, M., Rohland, N., Betancourt, J., Lattore, C., **Steppan, S.J.**, and Poinar, H.N. Molecular Analysis of a 11,700-yr old rodent midden from the Atacama Desert Chile. *Molecular Ecology*. 11:913-924.
- 2000 **Steppan, S.J.** Flexural stiffness patterns of butterfly wings. *Journal of Research on the Lepidoptera*. 35:61-77.
- 2000 **Steppan, S.J.** and Sullivan, J. The emerging statistical perspective in systematics and the status of *Andalgalomys* (Rodentia: Sigmodontinae): a comment on Mares and Braun. *Journal of Mammalogy*. 81(1):260-270.
- 2000 Ortiz, P.E., Pardiñas, U.F.J. and **Steppan, S.J.** A new extinct phyllotine (Rodentia: Muridae) from the Pleistocene of Argentina and a consideration of the phylogenetic relationships of the "Reithrodon group." *Journal of Mammalogy*. 81(1):37-51.
- 1999 **Steppan, S.J.**, Akhverdyan, M. R., Lyapunova, E.A., Fraser, D.G., Vorontsov, N.N., Hoffmann, R.S., and Braun, M.J. Molecular phylogeny of the marmots (Rodentia: Sciuridae): tests of evolutionary and biogeographic hypotheses. *Systematic Biology*. 48(4):715-734.
- 1998 **Steppan, S. J.** and U. Pardiñas. Two new fossil murids from the Pleistocene of Argentina: phylogeny and paleoecology. *Journal of Vertebrate Paleontology*. 18(3):640-649.
- 1998 **Steppan, S.J.** Phylogenetic relationships and species limits within *Phyllotis* (Rodentia: Sigmodontinae): concordance between mtDNA sequence and morphology. *Journal of Mammalogy*. 79(2):573-593.
- 1997 **Steppan, S.J.** Phylogenetic analysis of phenotypic covariance structure. I. Contrasting results from matrix correlation and Common Principal Component analyses. *Evolution*. 51(2): 571-586.
- 1997 **Steppan, S.J.** Phylogenetic analysis of phenotypic covariance structure. II. Reconstructing matrix evolution. *Evolution*. 51(2): 587-594.
- 1996 **Steppan, S.J.** A new species of *Holochilus* (Rodentia: Sigmodontinae) from the middle Pleistocene of Bolivia and its phylogenetic significance. *Journal of Vertebrate Paleontology*. 16(3):522-530.
- 1995 **Steppan, S.J.** Revision of the tribe Phyllotini (Rodentia: Sigmodontinae) with a phylogenetic hypothesis for the Sigmodontinae. *Fieldiana: Zoology*. n.s. 80:1-112.
- 1993 **Steppan, S.J.** Phylogenetic relationships among the Phyllotini (Rodentia: Sigmodontinae) using morphological characters. *Journal of Mammalian Evolution*. 1(3):187-213.

- 1991 **Steppan, S.J.** Geographic distribution of flower morphological traits in subspecies of *Lotus scoparius*. *Journal of Biogeography*. 18:321-331.

SERVICE PUBLICATIONS

2006. Arbogast, B. S., Dumbacher, J. P. & **Steppan, S. J.** *Evaluation of Scientific Information Regarding Preble's Meadow-Jumping Mouse* (Sustainable Ecosystems Institute, Portland, Oregon, 2006); available at http://mountain-prairie.fws.gov/preble/Prebles_SEI_report.pdf.

ELECTRONIC PUBLICATIONS

- In development. **Steppan, S.J.** Order Rodentia, Superfamily Muroidae, Family Sciuridae, Subfamily Sigmodontinae, Tribe Phyllotini, *Phyllotis*, and other pages. in Tree of Life: an integrated internet project [online] (D. Maddison and W. Maddison, eds.). Available from World Wide Web: <http://tolweb.org/tree?group=Rodentia&contgroup=Eutheria>,
<http://tolweb.org/tree?group=Sigmodontinae&contgroup=Muroidea>,
<http://tolweb.org/tree?group=Muridae&contgroup=Rodentia>
<http://tolweb.org/tree?group=Sciuridae&contgroup=Rodentia>
<http://tolweb.org/tree?group=Phyllotini&contgroup=Sigmodontinae>

PUBLISHED ABSTRACTS

- 2010 Bieler, R., Mikkelsen, P.M., Jablonski, D.I., **Steppan, S.J.**, Huelsenbeck, J.P., Sartori, A.F., Robles, R, Tomašových, A., ter Poorten, J.J., Herrera, N. and Matzke, N. 2010. Bivalves in Time and Space (BiTS): Developing Bivalves as a Preeminent Model for Macroevolutionary Studies. In: Abstracts of the 2010 World Congress of Malacology. July 18-24, Phuket, Thailand.
- 2010 Bieler, R., Mikkelsen, P.M., Jablonski, D.I., **Steppan, S.J.**, Huelsenbeck, J.P., Sartori, A.F., Robles, R, Tomašových, A., ter Poorten, J.J., Herrera, N. and Matzke, N. 2010. Bivalves in Time and Space (BiTS): Testing Macroevolutionary Methods against the Bivalve Fossil Record. In: Abstracts of the 2010 Joint Meeting of The American Malacological Society & The Western Society of Malacologists. June 26-30, San Diego State University.
- 2004 **Steppan, S.J.** Phylogenetic comparative analysis of multivariate data as exemplified by comparative quantitative genetics and the evolution of the G-matrix. *Journal of Morphology*. 260 (3):331.
- 2004 **Steppan, S.J.**, Adkins, R.M., Anderson, J., Hale, C. and Spinks, P.Q. Phylogeny and divergence-dates in muroid rodents based on multiple nuclear genes: comparisons and contrasts to morphological hypotheses. *Journal of Vertebrate Paleontology*. 24 (3):117A.
- 1998 Bond, M., Pardiñas, U. F. J., and **Steppan, S.** Los cricetidos (Rodentia: Cricetidae) más antiguos de la Argentina. *Acta geol. Lill.* 18:155.
- 1996 **Steppan, S.J.** Phylogenetic relationships of the phyllotine rodents (Sigmodontinae) and the evolution of phenotypic patterns of covariation in *Phyllotis*. (Dissertation Abstract). *Mastozoología Neotropical* 3(1):125.

MANUSCRIPTS IN REVIEW/REVISION

- Humphreys, J. M., Jagger, T. H., Elsnor, J. B., and Steppan, S. J., Phylogenetic coregionalization: Joint modeling of phylogenies, species traits, and environmental gradients to better predict biogeographic distributions. *Methods in Ecology and Evolution*.

MANUSCRIPTS IN PREPARATION (late draft manuscripts)

- Saltzberg, C. J., Walker, L., Spotorno, A., and Steppan, S. J. Comparative quantitative genetics of the pelvis in four species of rodents.
- Steppan, S. J., and Saltzberg, C. J. Integration of the pelvis and vertebral column in rodents: bipedality increases integration. *Journal of Anatomy* or *Journal of Morphology*

SOFTWARE

- 2007 Reno, M. L. and Steppan, S. J. SeqStatus 1.1. A free database template for managing DNA/tissue samples and sequencing progress. Available: <http://www.bio.fsu.edu/seqstatus/>.

PRESENTED TALKS

INVITED SEMINARS/SYMPOSIA

- 2014 “Diversification of the most successful mammals, the muroid rodents.” American Museum of Natural History, NY.
- 2012 “The diversification of muroid rodents: a story of evolutionary and scientific success.” Institut des Sciences de l'Evolution de Montpellier, Université Montpellier, France.
- 2007 “Patterns of diversification in the most successful mammals: molecular perspectives on old morphological and biogeographic questions in muroid rodents.” Museum of Vertebrate Zoology, Univ. of Calif., Berkeley.
- 2006 “Colonization and diversification in Australia and New Guinea: A multi-locus view of the old endemic rodents (Muroidea: Murinae)” (Kevin C. Rowe, Ron M. Adkins, and Scott J. Steppan). International Conference on Rodent Biology and Management, Hanoi, Vietnam.
- 2006 “Patterns of diversification in the most successful mammals: molecular perspectives on old morphological and biogeographic questions in muroid rodents.” Univ. of Chicago.
- 2006 “Recent advances in sigmodontine rodent phylogenetics and evolution from large DNA sequence data sets.” Plenary Seminar, 1st Congress of South American Mammalogy, Gramado, Brazil.
- 2005 “Diversification and global biogeography of the most successful mammals, the muroid rodents.” University of Florida, Dept. of Zoology.
- 2004 “Phylogenetic comparative analysis of multivariate data as exemplified by comparative quantitative genetics and the evolution of the **G**-matrix.” International Congress of Vertebrate Morphology. Boca Raton, FL, USA.
- 2002 “Evolution of the **G** matrix.” Universidad Peruana Cayetano Heredia, Peru.
- 1998 “‘Punxsatawney Phil, this is your life!’ plus the evolution of covariance structure in sigmodontines.” Carnegie Museum of Natural History.
- 1997 “Phylogenies for hypothesis testing and the evolution of covariance structure in rodents.” Florida State University.
- 1997 “Systematics, quantitative genetics, and the comparative method in phyllotine mice: the evolution of covariance matrices.” Utah State University.
- 1996 “Phylogenetic analysis of the evolution of phenotypic covariance structure in *Phyllotis*: can quantitative genetics explain macroevolution?” American Museum of Natural History.
- 1996 “Phylogenetics of the phyllotine mice and an extension of the comparative method: the evolution of covariance matrices.” University of Massachusetts, Amherst.
- 1995 “The evolution of the sigmodontine rodents: how much do we know?” Invited symposium, X^a Jornadas Argentinas de Mastozoología (SAREM).
- 1995 “Evolution of the South American mice: nested phylogenies, the evolution of covariance structure, and their role in the Great American Interchange.” University of Chicago.
- 1993 “Evolutionary relationships among the sigmodontine mice and rats of South America.” Universidad de Católica, Santiago, Chile.

- 1992 “Darwin’s leaf-eared mice: phylogenetic relationships of the phyllotines.” Field Museum of Natural History.

CONTRIBUTED PAPERS

- 2017 Evolution of brooding in crinoids. Torrence, K. and Steppan, S.J. Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists, Portland, OR.
- 2015 The role of geography in the adaptive radiation of sigmodontine rodents in South America. Schenk, J.J. and Steppan, S.J. Annual Meetings of the American Society of Mammalogists. Jacksonville, FL.
- 2015 Are the pelvic-girdle and sacrum independent developmental modules? A geometric-morphometrics analysis of integration in Rodents. Saltzberg, C., Spotorno, A.E., Walker, L., and Steppan, S.J. Annual Meetings of the American Society of Mammalogists. Jacksonville, FL.
- 2014 Molecular phylogeny and historical biogeographic reconstructions onto shifting continents in the cockles and giant clams (Bivalvia: Cardiidae). Herrera, N., ter Poorten, J. J., Bieler, R., Jablonski, D., Steppan, S.J. Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists, Raleigh, NC.
- 2014 Comparative quantitative genetics of the pelvis in four species of rodents: Evolution of the genetic and phenotypic covariance structure. Saltzberg, C., Walton, L., Spotorno, A. O., Walker, L. and Steppan, S. J. Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists, Raleigh, NC.
- 2013 Tempo of diversification across a 900-species muroid-rodent phylogeny; what do different methods tell us? Steppan, S. J. and Schenk, J. J. International Mammalogy Congress, Belfast, UK
- 2013 Tempo of Diversification Across a 900-Species Muroid-Rodent Phylogeny; What do Different Methods Tell Us? Schenk, J. J. and Steppan, S. J. Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists, Snowbird, Utah
- 2013 Continental colonizations, adaptive radiations, and global biogeography of muroid rodents: the role of geographic and ecological opportunity . Steppan, S.J., Schenk, J.J., and Rowe, K.C. 6th Meeting of the International Biogeography Society, Miami, FL.
- 2012 Doubling diversity: A cautionary tale from Luzon Island, Philippines. Heaney, L.R., Balete, D. S., Jansa. S.A., Steppan, S.J., Rickart, E.A. Annual Meetings of the American Society of Mammalogists, Reno NV.
- 2011 Bang, bang - thud! The ecological opportunity model of diversification receives conditional support from repeated continental colonizations by muroid rodents. Schenk, J. J. and Steppan, S.J. Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists, Norman, OK
- 2011 Surprising diversity: phylogeography of seven new species of forest-mice *Apomys* from Luzon (Philippines) using multiple genes. Steppan, S. J., VanderVrede, L., Justiniano, R., Schenk, J. J., Rickart, E. A., Heaney, L.R., Balete, D.S., Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists, Norman, OK
- 2010 “Patterns and processes of lineage diversification among sigmodontine rodents in South America.” Schenk, J.J. and Steppan, S.J. Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists, Portland, OR.
- 2010 “Biogeographic triggers of diversification in muroid rodents.” Steppan, S.J., Schenk, J.J., Rowe, K.C., and Adkins, R.M. Annual Meetings of the American Society of Mammalogists, Laramie, WY.
- 2009 “Triggers of diversification in muroid rodents.” Scott J. Steppan, Kevin C. Rowe, and Ronald M. Adkins, Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists, Moscow, ID.

- 2009 “Phylogenetics of the Dwarf Salamander (*Eurycea quadridigitata*) complex.” Kenneth Wray and Scott J. Steppan. Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists, Moscow, ID.
- 2008 “Phylogenomic Evidence for Multiple Losses of Flight in Ratite Birds.” Harshman, J., Braun, E.L., Braun, M.J., Huddleston, C.J., Bowie, R.C.K., Chojnowski, C.L., Hackett, S., Han, K-L, Kimball, R.T., Marks, B.D., Miglia, K.J., Moore, W.S., Reddy, S., Sheldon, F.H., Steadman, D.W., Steppan, S.J., Witt, C.C., Yuri, T. Annual Meetings of the American Ornithological Union.
- 2007 “Traits of invasive and noninvasive Commelinaceae in a phylogenetic context.” (Jean H. Burns, Robert B. Faden, and Scott J. Steppan). Annual Meetings of the Ecological Society of America.
- 2007 “SeqStatus, a database template for the integrated management of molecular phylogenetic labs.” (Kevin C. Rowe, Scott J. Steppan, and Michael L. Reno) Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists, Christchurch, New Zealand.
- 2006 “Molecular systematics of the old endemic rodent fauna of New Guinea and Australia.” (Kevin C. Rowe, Philip Q. Spinks, Daniel M. Richmond, Michael L. Reno, Ron M. Adkins and Scott J. Steppan) Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists, Stony Brook, NY, and Annual Meetings of the American Society of Mammalogists, Amherst, MA.
- 2006 “Diversification of the *Phyllotis xanthopygus* species complex (leaf-eared mice) in the Andes: a phylogeographic perspective from multiple mitochondrial and nuclear genes.” (Steppan, S.J., Banbury, J., Gallegos, A., Hale, C., VandeVrede, L., Soucy-Lubell, S., Walker, L., Spotorno, A.E., and Ramirez, O.) Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists, Stony Brook, NY.
- 2006 “Diversification of the *Phyllotis xanthopygus* species complex (leaf-eared mice) in the Andes: a phylogeographic perspective from multiple mitochondrial and nuclear genes.” (Steppan, S.J., Banbury, J., Gallegos, A., Hale, C., VandeVrede, L., Soucy-Lubell, S., Walker, L., Spotorno, A.E., and Ramirez, O.) Annual Meetings of the American Society of Mammalogists, Amherst, MA.
- 2006 “Detecting hybridization and species limits with phylogeographic data.” (Sullivan, J., Demboski, J., Good, J., Steppan, S. J.) Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists, Stony Brook, NY.
- 2006 “Are Mammals on Islands Intrinsically Vulnerable to Extinction?” (Heaney, L.R., D. S. Balete, S. Jansa, E. A. Rickart, T. E. Roberts, and S. Steppan) Wildlife Conservation Society of the Philippines.
- 2006 “SeqStatus, a database system to integrate collections, PCR, and sequencing for large phylogenetic projects” Scott J. Steppan, Chris Hale, Michael Reno, Kevin Rowe, Jenner Banbury, Tina Kesler, Michelle Stuckey, Sheryl Soucy. 1st Annual UF/FSU Systematics Symposium, Cedar Key, FL.
- 2005 “Biogeographic History of Diversification by Murid Rodents in the Philippine Islands” (Heaney, L.R., Balete, D.S., Jansa, S., Rickhart, E.A., Steppan, S.J.) 9th International Mammalogy Congress, Japan.
- 2005 “The geography of repeated rapid radiations in both New and Old World clades of mice and rats.” (Steppan, S.J., Adkins, R.M., Burns, J.H., Hale, C., Spinks, P.Q., and Zawadzki, C.) Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists
- 2005 “A molecular timescale of Old World murine biogeography.” (Adkins, R.M., and Steppan, S.J.) Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists
- 2004 “Phylogeny and divergence-dates in muroid rodents based on multiple nuclear genes: comparisons and contrasts to morphological hypotheses” (Steppan, S.J., Adkins, R.M., Anderson, J., Hale, C. and Spinks, P.Q.) Annual Meetings of the Society of Vertebrate Zoology.

- 2003 "Biogeography and Diversification in Philippine Murids of the Genus *Apomys*" (Heaney, L.R., Steppan, S.J. and Zawadzki, C.) Wildlife Conservation Society, Philippines.
- 2003 "Biogeography and Diversification in Philippine Murids of the Genus *Apomys*." (Heaney, L.R., Steppan, S.J. and Zawadzki, C.) Annual Meetings of the American Society of Mammalogists.
- 2002 "Andean phylogeography in the *Phyllotis darwini* species group (leaf-eared mice) and identification of an 11,700 year old packrat midden." Steppan, S.J., Kuch, M., Lattore, C., Spotorno, A., and Poinar, H.) Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists
- 2002 "Evolution of hypercarnivory: the effect of specialization on character change." (Holliday, J. and Steppan, SJ) Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists
- 2002 "Robust phylogeny of the muroid rodents using multiple nuclear genes." (Steppan, S.J., Adkins, R, Anderson, J.) Annual Meetings of the American Society of Mammalogists
- 2001 "Order out of chaos: Multigene phylogeny of muroid rodents." (Steppan, S.J., Adkins, R, Anderson, J.) 8th International Theriological Congress, South Africa.
- 2001 "Nuclear DNA phylogeny of the squirrels using RAG-1 and *c-myc*." (Steppan, S.J., Storz, B.L., and Hoffmann, R.S.) 8th International Theriological Congress, South Africa
- 2001 "Resolution of an intractable problem: Multigene phylogeny of muroid rodents." (Adkins, R, Anderson, J., and Steppan, S.J.) Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists.
- 2001 "Nuclear DNA phylogeny of the squirrels using RAG-1 and *c-myc*." (Steppan, S.J., Storz, B.L., and Hoffmann, R.S.) Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists
- 2001 "A molecular phylogeny of the endemic Philippine rodent *Apomys* and its biogeographic implications." (Steppan, S.J., Heaney, L.R., and Zawadzki, C.) Annual Meetings of the American Society of Mammalogists.
- 2001 "Hypercarnivory: an evolutionary dead end? The effect of specialization on subsequent character change." (Holliday, J. and Steppan, SJ. Poster) Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists
- 2001 "Comparative molecular evolution: What do molecules tell us about the evolution and life history of sciurognath rodents " Storz, B.L. and Steppan, S.J. 9th Annual Florida Ecological and Evolutionary Symposium.
- 1999 "Phylogenetic utility of the nuclear *c-myc* gene applied to the ratite birds." Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists
- 1998 "Molecular phylogeny of the marmots (Rodentia: Sciuridae): tests of evolutionary and biogeographic hypotheses." (Steppan, S.J., Hakverdyan, M, Lyapunova, E., and Hoffmann, R.S.) Annual Meetings of the American Society of Mammalogists
- 1997 "Molecular phylogeny of the marmots (Rodentia: Sciuridae) and its significance for Holarctic and amphiberian biogeography." (Steppan, S.J., Hakhverdyan, M, Lyapunova, E., and Braun, M.J.). Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists.
- 1996 "Evolutionary constraints and the vertebral column in rodents." Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists.
- 1996 "The comparative method extended to multivariate data: the evolution of phenotypic covariances in *Phyllotis*." Annual Meetings of the American Society of Mammalogists.
- 1995 "Phylogenetic analysis of the evolution of phenotypic covariance matrices: from populations to genus." Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists. (Ernst Mayr Award for best student paper).
- 1995 "Species limits and phylogenetic relationships within *Phyllotis* (Muridae: Sigmodontinae): a comparison of weighting methods for DNA sequence data." Annual Meetings of the American Society of Mammalogists (received outstanding student presentation evaluation).

- 1995 “Los cricetidos (Rodentia: Cricetidae) mas antiguos de la Argentina.” (The oldest cricetids [Rodentia: Cricetidae] from Argentina.) (Bond, M., Pardiñas, U. F. J., y Steppan, S.). XI^a Jornadas Argentinas de Paleontología de Vertebrados.
- 1994 “Is covariance structure conserved across the evolutionary hierarchy of a species group? Nested research design and preliminary results.” Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists.
- 1993 “A preliminary assessment of phylogenetic relationships among the South American sigmodontine rodents.” Annual Meetings of the American Society of Mammalogists.
- 1992 “Phylogenetic relationships among the Phyllotini (Rodentia: Sigmodontinae) using morphological characters.” Annual Meetings of the American Society of Mammalogists.
- 1988 “*Lotus scoparius* ssp. *scoparius* and *Lotus scoparius* ssp. *brevialatus*: Geographic distribution of flower morphological traits and boundary phenomenon.” Annual Meetings of the Association of Pacific Coast Geographers.
- 1988 “The role of photographic composition in landscape preference studies: a multidimensional approach.” EDRA 19, Environmental Design Research Association.

POSTERS

- 2017 Morphological variation in sigmodontine rodents. Saltzberg, C.J., and Steppan, S.J. Evolution Meetings, Portland, OR
- 2013 Are the pelvic girdle and sacrum independent developmental modules? Saltzberg, C.J., Sportorn, A., Walker, L, and Steppan, S.J. Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists, Snowbird, Utah
- 2012 The morning after: testing ecomorphological diversification following continental colonization in muroid rodents. Schenk, J.J., Alhajeri, B.H., and Steppan, S.J. Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists, Ottawa, Ontario, Canada
- 2009 “Triggers of diversification in muroid rodents.” Steppan, S.J., Rowe, K.C., and Adkins, R.M. 10th International Mammalogical Congress, Mendoza, Argentina.
- 2009 “The evolution of functional dental morphology in murine rodents (*Murinae*) as adapted to diet type.” Martin, S. A. and Steppan, S. J. Annual Meetings of the American Society of Mammalogists, Fairbanks, AK.
- 2008 “Chromosomal Biogeography of the Olfactory Receptor Gene Superfamily.” Reno, M., Naylor, G.J.P., Bass, H. W., and Steppan, S. J. Poster: Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists, Minneapolis, Minn.
- 2007 “SeqStatus, a database template for the integrated management of molecular phylogenetic labs.” (Kevin C. Rowe, Scott J. Steppan, and Michael L. Reno) Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists, Christchurch, New Zealand.
- 2006 "Phylogenetic analysis of the forest mouse *Apomys* and Philippine biogeography." L. VandeVrede, S. J. Steppan, and L. R. Heaney. National Meetings of the Beta Beta Beta Society (Awarded 2nd Place, Ecology Poster division).
- 2006 “Functional variability of the RAG-1 gene sequence in vertebrates.” (VandeVrede, L, Naylor, G.J.P., Rowe, K.C., and Steppan, S.J.), Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists, Stony Brook, NY.
- 2004 “Of mice and mountains: Nested Clade Analysis assumptions and the Andean leaf-eared mouse. Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists (Albright, J.S. V. Pacheco, U. Pardiñas, O. Ramirez, A. Spotorno, L. Walker and Steppan, S.J)
- 2003 “Alternative Andean speciation hypotheses and a comparison of nuclear and mitochondrial genes in resolving the phylogeography of *Phyllotis*, a South American rodent. Annual Meetings of the Society for the Study of Evolution/Society of Systematic Biologists (J. Albright, D. Huchon, O. Ramirez, A. Spotorno, S. Steppan, L. Walker)

GRADUATE STUDENTS SUPERVISED

STUDENT ADVISOR

Lisa N. Barrow, 2009-2016 Ph.D., coadvisor (w/ Emily Lemmon; now NSF post-doc Univ. New Mexico)

Bader H. Alhajeri, 2010-2014 Ph.D. (now Asst. Prof. Kuwait Univ.)

Ken P. Wray, 2005-2013 Ph.D., now Director of Research and Conservation at Santa Cruz Forest Reserve, Project Amazonas, Peru.

Neil C. Aschliman, 2010-11, Ph.D. co-advisor (w/ Gavin Naylor; now Asst. Prof. St. Ambrose Univ., IA)

Jill A. Holliday (now Harper-Judd), 1999-2007, Ph.D. (now St. Petersburg College)

Nathanael Herrera, M.S. 2013 evolution of bivalve mollusks (now grad student, FSU)

Stephanie Martin, M.S. 2010 (M.S. advisor, now Asst. Prof. Austin Community College)

Jenner Banbury, 2003-2005 (Ph.D. advisor, withdrew 2005)

James Albright, M.S. Dec. 2004 advisor

Brian Storz, M.S. June 2003 co-advisor, (now Asst. Prof. Centre College)

Jim Cooper, M.S. Dec. 2000. advisor, (now Asst. Prof. Wash. State Univ.)

2014-present Kathleen Torrence, Ph.D.

2012-present Carl J. Saltzberg, Ph.D.

COMMITTEE MEMBER

2017-present Ben Pomidor, Ph.D. (Scientific Computing, Dennis Slice, Chair)

2017-present Michael Hogan, Ph.D. (Darin Rpkya, chair)

2017-present Natali Ramirez-Bullon, Ph.D. (Alice Winn, chair)

2016-present Rose Luzader, M.S. (EAOS, Amy Baco-Taylor, chair)

2016-present John Humphries, Ph.D. (Geography, James Elsner, chair)

2016-present Brendan Scherer, Ph.D. (Austin Mast, chair)

2013-present Stephen Kuhn-Hendricks Ph.D. (Greg Erickson, chair)

Abigail Pastore, Ph.D. Dec. 2017 (Thomas Miller, chair)

Megan Jones, Ph.D. Dec. 2017 (Emily DuVal, chair)

David Kay, M.S. August 2017 (Greg Erickson, chair)

Chris Buddenhagen, Ph.D. Dec. 2016 (Austin Mast, chair)

Alexa Warwick, Ph.D. August 2016 (Emily Lemmon, chair)

Pamela Brennand, Ph.D. 2015 (Universidade do Sao Paulo, Brazil; Ph.D., co-advisor, with Alexandre Persequillo)

Liam Longo, Ph.D. Dec. 2014 (Michael Blaber, Molecular Biophysics, chair)

Erin Easton, Ph.D. May 2014 (David Thistle, Oceanography, chair)

Bárbara Maria de Andrade Costa, Ph.D. 2013 (Universidade Federal do Espírito Santo, Brazil; Ph.D., co-advisor, with Gabriel Marroig)

Tim Swain, Ph.D. 2010 (J. Wulff chair)

Albert Prieto-Marquez, Ph.D. May 2008 (G. Erickson, chair, now AMNH post-doc)

Jean Burns, Ph.D. Dec. 2006 (T. Miller, chair, now post-doc UC Davis)

Glen Golden, Ph.D. May 2007 (T. Houpt, chair)

Andy Feldman, Ph.D. April 2004 (A. Arnold, Geology, chair, now Asst. Prof., New Mexico Highlands University)

Jamie Kneitel, Ph.D. Aug. 2002. (T. Miller chair, now post-doc, Wash. U.)

Hannah Ralicki, M.S. 2015 (Emily Lemmon, chair)

Karolyn Aranow, M.S. 2014 (Darin Rokyta/Don Levitan chairs)

Matt Kolman, M.S. 2012 (Dean Grubs, chair)

Moses Michelsohn, M.S. 2012 (Emily Lemmon, chair)

Aki Watanabe, M.S. 2012 (Greg Erickson, chair)

Vanessa Jackson, M.S. June 2004 (D. Swofford, chair)
Erin Creech, M.S. April 2003 (G. Erickson, chair)
Sarah Boyce, M.S. Dec. 2001 (L. Abele, chair, now Senior Technician, Woods Hole)

2007-2013 Pierson Hill, Ph.D. (J. Travis, chair)
2006-2008 Allison Bauer, Ph.D. (B. Inouye, chair)
1999-2002 Greg Farley, Ph.D. (B. Herrnkind, R. Mariscal chairs)
1997 Warren Young, Smithsonian Minority Intern

TEACHING EXPERIENCE

FSU

Evolution PCB 4674, 15 times (1999-2017), required course for seniors in Biology (enrollment: 160)
Biogeography BSC 4933/BSC 4821C, 5 times (2009-2018)
Natural History, Biodiversity, and the Growth of Evolutionary Thought BSC 1100 (planned, London Summer 2018)

Seminar in Macroevolution BSC 5936, 5 times (2006 - 2016)
Systematics PCB 4613/BSC 5936, 3 times (2000, 2002, 2004) upper division/grad seminar
Speciation BSC 5936, 2 times (2001, 2007), graduate tutorial
Advanced Systematics, BSC 5936, 1 time (2000), graduate tutorial
Macroevolution Reading Group BSC 5932, 38 times (1998-2016)
Vertebrate Evolution BSC 5932, 1 time (2000), graduate tutorial
Origin of Species Reading Group BSC 5932, 2 times (2008, 2011)
Biological Frontiers, 3 times (guest lecture)

University of Chicago

Diversity of Life Through Time (TA under J. Flynn and G. Mueller)
Biogeography, 3 times (Lab TA under B. Patterson and L. Heaney)
Mammalian Evolution (Lab TA under J. Flynn)
Systematics (Lab TA under B. Chernoff)
Introduction to Research at Field Museum (TA)

San Diego State University

Physical Geography Laboratory (8 semester-classes)

SOCIETY MEMBERSHIP

American Society of Mammalogists
American Society of Naturalists
International Biogeography Society
International Society of Vertebrate Morphologists
Society for the Study of Evolution
Society of Systematic Biologists

SOCIETY SERVICE

2012 Ernst Mayr Award Committee, Society of Systematic Biologists
2004-2007 Council Member, Society of Systematic Biologists
2004-2010 *Systematic Biology* Editorial Board
2003-2010 Society of Systematic Biologists, President's Long Range Planning Committee
2000-2004 American Society of Mammalogists, Grants-in-Aid Committee
1999 Ernst Mayr Award Committee, Society of Systematic Biologists

EDITORIAL BOARDS

2009-present Associate Editor, *American Naturalist*
2010 Guest editor, *Proceedings of the National Academy of Science*
2006-2008 Associate Editor, *Evolution*
2004-2010 *Systematic Biology* Editorial Board

JOURNALS AND GRANTS AGENCIES REVIEWED FOR (45)

Acta Theriologica
Ameghiniana
American Journal of Physical Anthropology
American Museum Novitates
American Naturalist
Belgian Journal of Zoology
Biological Journal of the Linnean Society
BMC Evolutionary Biology
Brain, Behavior, and Evolution
Canadian Journal of Zoology
Cladistics
Entomological Society of America
Evolution
Evolution and Development
Fieldiana: Zoology
Gayana
Gene
Genetica
Heredity
Journal of Biogeography
Journal of Evolutionary Biology
Journal of Mammalian Evolution
Journal of Mammalogy
Journal of Zoological Systematics and Evolutionary Research
Mammalia
Mastozoología Neotropical
Molecular Biology and Evolution
Molecular Phylogenetics and Evolution
Oecologia
PLoS One
Proceedings of the Indiana Academy of Science
Proceedings of the Royal Society of London, B
Science
Systematic Biology
Trends in Ecology and Evolution
Zoologica Scripta
Delson and MacPhee Springer
Harvard Univ. Press
National Geographic Society
National Science Foundation, Systematic Biology
National Science Foundation, Population Biology
National Agency for the Promotion of Science & Technology of Argentina
U.S. Civilian Research and Development Foundation
United States-Israel Binational Science Foundation
FONDECYT, Chile