

CURRICULUM VITAE

1 JAN 2017

David Cannatella

Department of Integrative Biology
1 University Station C0990
University of Texas
Austin, TX 78712
catfish@utexas.edu
orcid ID: [0000-0001-8675-0520](https://orcid.org/0000-0001-8675-0520)

EDUCATION

- 1972-76 University of Southwestern Louisiana
BS, Zoology, magna cum laude, 1976.
- 1976-85 University of Kansas
MA, Systematics and Ecology, 1979.
MPh, Systematics and Ecology, 1981.
PhD, Systematics and Ecology, 1985 with honors.
Linda Trueb, advisor.
- 1986-88 University of California, Berkeley
Postdoctoral Fellow, David Wake and Marvalee Wake, advisors.

PROFESSIONAL EXPERIENCE

- 2014- Associate Chairman for Biodiversity Collections, Department of Integrative Biology.
- 2007- Professor, Department of Integrative Biology, University of Texas.
- 2005-2007 Associate Professor, Section of Integrative Biology, University of Texas.
- 2001-2004 Assistant Professor, Section of Integrative Biology, University of Texas.
- 1995-2000 Senior Lecturer, Department of Zoology (now Department of Integrative Biology), University of Texas.
- 1990- Curator, Texas Memorial Museum, University of Texas.
- 1988-90 Assistant Professor and Curator, Museum of Natural Science and Dept. Zoology and Physiology, Louisiana State University, Baton Rouge.
- 1986-88 NSF Postdoctoral Fellow, University of California, Berkeley.
- 1986 Visiting Lecturer, Department of Zoology, University of California, Berkeley. Lecturer for Zoology 106: Evolutionary and Functional Vertebrate Morphology.
Assistant Research Zoologist, Museum of Vertebrate Zoology, University of California, Berkeley. Curation of herpetological collections.
- 1984-85 Dissertation Fellow, University of Kansas (KU).
- 1983 Part-time Faculty, Penn Valley Community College, Kansas City, Missouri.

MAJOR AWARDS

Big XII Faculty Fellow, 2015.
Chair's Fellow, Department of Integrative Biology, 2014.
Fulbright Scholar to Brasil, 2011-2012.

President, Society of Systematic Biologists, 2004-2005.
President, American Society of Ichthyologists and Herpetologists, 2002-2003.
NSF Postdoctoral Fellow, University of California, Berkeley, 1986-1988.
NSF Graduate Fellowship, 1977-1981.

NSF GRANTS

Phylogenetics of autoresistance in poison frogs as revealed by phylogenomics, neurophysiology, and comparative ecology. NSF 1556967. 2016-2019. \$698,184.
Digitization TCN. Developing a centralized digital archive of vouchered animal communication signals. (Travis LaDuc, Lead PI). \$120,440, 2014-2017.
EAGER: Phylogenomics: A Novel Genomic Sequence Enrichment Strategy (David Hillis, lead PI). NSF 0942956. \$217,159. 2009-2011.
AmphibiaTree, an integrated phylogenetic and phyloinformatics approach to the tree of amphibians. (David Hillis, co-PI) NSF 0334952, \$1,326,000. 2004-2008.
Supplement to AmphibiaTree, an integrated phylogenetic and phyloinformatics approach to the tree of amphibians. NSF 0334952, \$54,460. 2004-2008.
Research Opportunity Award (ROA) Supplement, for Austin Community College collaborative research. NSF 0334952, \$24,000. 2006.
The HerpNET community informatics project: Development of a distributed information network of North American herpetological databases. DBI-0132303. Subcontract to UT for \$42,793. 2005-2006.
Support for cataloguing and housing the herpetological tissue collection at the Texas Memorial Museum. NSF 0545005, \$125,353. 2006-2008.
The phylogenetics and functional integration of complex phenotypes regulating social/reproductive interactions. (Michael Ryan and Walt Wilczynski, co-PIs) NSF 0078150, \$2,895,532. 2001-2005.
Biotic inventory of the reptiles and amphibians of Sulawesi, Indonesia. Collaborative proposal (with Jim McGuire) NSF, \$125,000. 2002-2005.
The evolution of acoustic signals of frogs: origins, phylogenetic information, rates of diversification, and morphological correlates. (with M. Ryan and D. Hillis) NSF 9981631 \$394,114. 2000-2005.
Computerization of the herpetological collections of the Texas Memorial Museum. NSF 9876830, \$148,200, 1999-2001.
Evolution and phylogeny of the feeding systems of frogs. NSF, BSR 9007485, \$110,000, 1991-1992.
Anuran vertebrae: ontogeny and phylogeny. BSR 86-02574, \$52,800, 1986-1988.

NSF DOCTORAL DISSERTATION IMPROVEMENT GRANTS

Why don't poison frogs poison themselves: Phylogenetic origins and consequences of autoresistance. DDIG Grant for Becca Tarvin, DEB 1404409, \$20,031. 2014-2016.
Genetic diversification of mesic treefrogs in a dry Neotropical savanna: Next-Gen sequencing uncovers the roles of environment, paleoclimate, and geography. Grant for Mariana Vasconcellos, DEB 1311517, \$17,710. 2013-2015.
Lost World frogs: Understanding the diversification history and phylogeographic patterns of sky islands. Grant for Patricia Salerno, DEB 1210035, \$14,923. 2012-2014.
Temperature gradients along latitude and elevation: Effects on dispersal. Dissertation Improvement Grant for Carlos Guarnizo, DEB 0910313 \$14,960. 2009-2011.

The evolution of advertisement calls in the phylogenetic context of other complex phenotypes in poison frogs. Grant for Juan Santos DEB 0710033 \$11,879.

Phylogenetic systematics, historical biogeography, and evolution of vocalizations in Nearctic toads. Grant for Greg Pauly, DEB 0508542 \$11,958.

Signal evolution in heterospecific contact zones and selective bases for reproductive character displacement in *Pseudacris* frogs. Grant for Emily Moriarty, DEB 0309309 \$12,000.

The effect of miniaturization on skeletal morphology in frogs. Grant for Jennifer Yeh, DEB 0073061; 2000-2001 \$10,000.

The evolution of acoustical and functional diversity of advertisement calls in Asian and Melanesian Forest Frogs (subfamily Platymantinae). Grant for Rafe Brown, DEB 0073199; 2000-2001 \$10,000.

Evolution of the lizard family Phrynosomatidae as inferred from nuclear and mitochondrial ribosomal DNA sequences. Grant for Tod Reeder, BSR 9122823 \$12,000.

CURRICULUM ENRICHMENT GRANTS

Enrichment of the Comparative Vertebrate Anatomy course through the incorporation of active learning with video technology. The University of Texas, July 1999; \$7300

ITAC proposal for curriculum development. The University of Texas, March 1997; \$10,000.

Multimedia instruction in animal acoustic communication. Project QUEST, The University of Texas, March 1995; \$4000.

OTHER GRANTS

Genomic assessment of taxonomic status *Eurycea* salamanders of central Texas. Texas Parks and Wildlife. 2014-2015. \$93,000.

Phylogeny and the evolution of communication in the frogs of the genus *Physalaemus*. (with Stan Rand, Mike Ryan and Adao Cardoso) Smithsonian Institution Tropical Studies Program, 1994-96, \$57,630.

Support for the conservation of the alcohol collections of amphibians and reptiles of the Texas Memorial Museum. Institute for Museum Studies, \$50,000. 1994-1996.

Establishment of a computer catalogue in the LSU Museum of Natural Science. (with M. Hafner); Louisiana Education Quality Support Fund, \$55,624. 1989-1990.

POSTDOCTORAL ASSOCIATES

Tom Devitt. 2013-2014. Postdoctoral Researcher. Present Position, Biologist, City of Austin.

Shannon Hedtke. 2010-2011. NSF Postdoctoral Researcher. Present Position, Postdoctoral Researcher, LaTrobe University, Australia.

Sandi Willows-Munro. 2008-2010. Postdoctoral Researcher. Present Position, Asst. Professor, University of Witwatersrand.

Matt Morgan. 2007-2009. NSF Postdoctoral Researcher. Present Position, CSIRO, Canberra, Australia.

Meredith Mahoney. 2005-2006. NSF Postdoctoral Researcher. Present position: Asst. Curator of Zoology, Illinois State Museum.

Chris Funk. 2004–2006. NSF Postdoctoral Researcher. Present position: Asst. Professor, Colorado State University.
David Bickford. 2004–2005. NSF Postdoctoral Researcher. Asst. Professor, National University of Singapore.
Ted Townsend. 2003–2005. NSF Bioinformatics Postdoctoral Fellow.
Ben Evans. 2001–2003, Postdoctoral Researcher. Present position: Assoc. Professor, McMaster University, Hamilton, Ontario, Canada.

GRADUATE STUDENTS (FIVE CURRENT; ONE CO-ADVISED)

Chris Torres. PhD expected 2019.
Rebecca Tarvin. NSF Predoctoral Fellow. PhD expected 2017.
Taylor Gullet. MS 2016.
Patrick Stinson. MS 2015.
Mariana Vasconcellos. PhD 2016. Postdoc, NYU.
Monica Guerra. PhD 2014. Asst. Professor, IKIAM University, Ecuador.
Patricia Salerno. PhD 2014. Postdoc, Colorado State University.
Jeanine Abrams. PhD 2013. NSF Predoctoral Fellow. Postdoc, CDC.
Carlos Guarnizo. PhD 2012. Postdoctoral Researcher, Universidad de los Andes.
Beckie Symula. PhD 2009. Research Asst. Professor, University of Mississippi.
Juan Carlos Santos. PhD 2009. Asst. Professor, St. John's University, New York City.
Greg Pauly. PhD 2008. Curator, Los Angeles County Museum.
Santiago Ron. PhD 2007. Professor, Pontificia Universidad Católica del Ecuador, Quito.
Emily Moriarty. PhD 2007. NSF Predoctoral Fellow. Asst. Professor, Florida State University.
Catherine Darst. PhD 2006. US Fish and Wildlife Service.
Rafe Brown. PhD 2004. Assoc. Professor and Curator, Univ. Kansas.
Travis LaDuc. PhD 2003. Curator, Texas Memorial Museum, Univ. Texas.
Jennifer Yeh. PhD 2001. NSF Predoctoral Fellow. Researcher, UC San Francisco.
Andy Gluesenkamp. PhD 2001. San Antonio Zoo.
Antonio Delgado. MS 2001.
Steve Poe. PhD 2000. NSF Predoctoral Fellow. Assoc. Professor, Univ. New Mexico.
Jim McGuire. PhD 1998. Professor, Univ. California, Berkeley.
Tod Reeder. PhD 1996. Professor, San Diego State University.
John Wiens. PhD 1995. NSF Predoctoral Fellow. Professor, Univ Arizona.
Mike Moore. MS 1990. Professor, Macon University, Macon, Georgia.

THESIS COMMITTEES

PhD: (Past) Amy Baird, Bryan Jennings, Heidi Meudt, Nicole Kime, Chris Brochu, John Huelsenbeck, Carla Penz, Karen Warkentin, Paul Chippindale, Martin Timana, Wendy Hodges, Chris Austin, Todd Barkman, Jennifer Clevinger, Marcos Papp, Ted Macrini, Alisha Holloway, Gabriel Bever, Derrick Zwickl, Tracy Heath, Jennifer Olori, Shannon Hedtke, Elizabeth Ruck, Debra Hansen, Adam Smith, Emily McTavish, Alicia Kennedy, Teofil Nakov, Michael Gruenstadt, Vanessa Rivera, April Wright.
PhD: (Current): Oscar Vargas, Amalia Diaz, Deise Gonçalves, Nathan Leclear, Sofia Rodrigues, Anne Chambers, Devon Humphries.
MS: (Past) Kathy Boul, Ted Macrini, Ron Tykoski.

COURSES TAUGHT AT UT

Undergraduate: Communicating Science, Systematics, Comparative Vertebrate Anatomy, Herpetology, Mammalian Anatomy, Vertebrate Natural History, Natural History Museum Science, Religion and Science: Intelligent Design and Evolution.

Graduate: Advanced Systematics, Bioinformatics, Phylogeography, Amphibian Systematics.

INVITED LECTURES (LAST 10 YEARS)

Kunming Key Institute of Zoology, August 2015, Kunming, China.
Department of Biology, August 2015, Sun Yat-Sen University, Guangzhou, China.
Congreso Latino-Americano de Herpetologia, Cartagena, Colombia, November 2014.
Faculty, School of Herpetology, 2013, Wildlife Institute of India, Dehradun, India.
Brigham Young University, September 2012.
Kunming Institute of Zoology, June 2012.
Beijing Institute of Zoology, June 2012.
University of California, Berkeley Dept. Integrative Biology, April 2012.
Faculty, School of Herpetology, 24 Jan-7 Feb 2011, Coimbatore, Tamil Nadu, India.
Faculty, School of Herpetology, 2-15 November 2009, Guahati, Assam, India.
Faculty, School of Herpetology, 1-14 September 2008, Wildlife Institute of India, Dehradun.
University of California, Berkeley, Museum of Vertebrate Zoology, August 2006.
University of Missouri, Columbia, November 2006.
University of Kansas, Lawrence, May 2005.
Pontificia Universidad Católica del Ecuador, Quito, Ecuador (in Spanish) March 2005.
Museo Ecuatoriano de Ciencias Naturales, Quito, Ecuador (in Spanish) April 2005.
Universidad de los Andes, Bogotá, Colombia (in Spanish) February 2005.

INVITED PLENARY LECTURES

Stable taxonomies in ranoid frogs. Asian Herpetological Congress, Chengdu, China, June 2012.
Origem andina para as rãs venenosas da Amazônia (Dendrobatidae) (in Portuguese) Brazilian Congress of Herpetology IV. Pirenópolis, Brazil, July 2009.
Taxonomia e nomenclatura dos anfíbios (in Portuguese). Belem, Brazil, July 2007.
American Society of Ichthyologists and Herpetologists, Manaus, Brazil, June 2003.

PROFESSIONAL ORGANIZATIONS

Society of Systematic Biologists, American Association for the Advancement of Science, Society for the Study of Evolution, Society for Integrative Biology, Herpetologists' League, Society for the Study of Amphibians and Reptiles, American Society of Ichthyologists and Herpetologists, Societas Europae Herpetologicae, Société Batrachologique de France, Texas Herpetological Society.

NATIONAL SERVICE

2008-2014 Senior Associate, AmphibiaWeb Team.

2008	NSF Systematics Advisory Panel.
2007-2010	Board of Directors, Amphibian Anatomical Ontology project.
2002-2004	President-Elect and President, Society of Systematic Biologists.
2001-2004	President-Elect, President, and Past-President, American Society of Ichthyologists and Herpetologists.
1991-2000	NSF Systematics Advisory Panel (seven panels).
1993-2014	Board of Governors, American Society of Ichthyologists and Herpetologists.
1993-95	Program Chairman, Society of Systematic Biologists.
1992	American Society of Zoologists Executive Council, representative to the Association of Systematics Collections.
1992-94	Chair, Ernst Mayr award committee, Society of Systematic Biologists.
1990-93	Elected Councilor, Herpetologists' League.
2013-2016	Reviewer for applications for the Lewis and Clark Funds, American Philosophical Society

EDITORIAL SERVICE

1999-01	Book Review Editor, <i>Systematic Biology</i> .
1995-98	Editor-in-Chief, <i>Systematic Biology</i> .
1990-94	Associate Editor for <i>Systematic Biology</i> .
1989-92	Associate Editor for <i>Herpetologica</i> .

UNIVERSITY SERVICE

2015	Master Plan Committee for Brackenridge Field Lab (College of Natural Sciences).
2015	Search Committee, Curator of the Plant Resource Center.
2015	Faculty Merit Evaluation Committee, Integrative Biology.
2014	Search Committee Chair for Curator of Entomology.
2002-2016	Graduate Student Fellowship Committee, EEB Graduate Program.
2008-2009	Faculty Merit Evaluation Committee, Integrative Biology.
2003-2004	Undergraduate Biology Curriculum Committee (SBS).
2002-2006	IGERT Fellowship Committee (Biological Sciences).
2001-2002	Turtle Pond Committee, School of Biological Sciences.
1999-2000	Computer Committee, Texas Memorial Museum.
1997-1999	Operations Committee, Dept. Zoology.
1996	Search Committee for Director of Texas Memorial Museum.
1990	Search Committee for Entomologist Faculty position, Dept. Zoology.

SOCIETY MEETINGS (Organizer)

1993	Annual Meetings of the American Society of Ichthyologists and Herpetologists and The Herpetologists' League, the University of Texas, Austin, 27 May-2 June 1993 (with Dean Hendrickson).
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SYMPOSIA (Organizer)

2015	Bones, frogs, and evolution. 2015. Society for the Study of Amphibians and Reptiles, Lawrence Kansas.
1994	Functional morphology. 1994. Second World Congress of Herpetology,

- 1994 Adelaide, Australia, (with Anthony Russell).
Separate vs. simultaneous analysis in phylogeny reconstruction. 1994
Society of Systematic Biologists, Athens, Georgia.
- 1990 Amphibian relationships: Phylogenetic analysis of morphology and
molecules. 1990 American Society of Zoologists, San Antonio, Texas (with
David Hillis).

WEB AND SOFTWARE PROJECTS

AmphibiaTree. amphibiatree.org

Herps of Texas. An online guide; herpsoftexas.org

Tree of Life. Worldwide frogs and toads. www.tolweb.org/salientia.

MacCurator. Relational database software for natural history collections.

BIBLIOGRAPHY

1 JAN 2017

PUBLICATIONS

104. Tarvin, R. D., E. A. Powell, J. C. Santos, S. R. Ron, and D. C. Cannatella. 2017. The birth of aposematism: High phenotypic divergence and low genetic diversity in a young clade of poison frogs. *Molecular Phylogenetics and Evolution*, In press.
103. Zhi-Yong Y.; W.-W. Zhou; X. Chen; N. A. Poyarkov Jr; H.-M. Chen; N.-H. Jang-Liaw; W.-H. Chou; N. J. Matzke; K. Iizuka; M.-S. Min; S. L. Kuzmin; Y.-P. Zhang; D. C. Cannatella; D. M. Hillis; J. Che. 2016. Spatiotemporal diversification of the True Frogs (Genus *Rana*): A historical framework for a widely studied group of model organisms. *Systematic Biology* 65:824–842.
102. Tarvin, R. D., J. C. Santos, L. A. O'Connell, H. H. Zakon, and D. C. Cannatella. 2016. Convergent substitutions in a sodium channel suggest multiple origins of toxin resistance in poison frogs. *Molecular Biology and Evolution* 33:1068–1081.
101. Cannatella, D. C. 2015. Review: Marsupial frogs: *Gastrotheca* and allied genera. *Phyllomedusa: Journal of Herpetology* 14:167-170.
100. Ortega-Andrade, H. M., O. R. Rojas-Soto, J. H. Valencia, A. E. de los Monteros, J. J. Morrone, S. R. Ron, and D. C. Cannatella. 2015. Insights from integrative systematics reveal cryptic diversity in *Pristimantis* frogs (Anura: Craugastoridae) from the Upper Amazon Basin. *PloS ONE* 10: e0143392. doi:10.1371/journal.pone.0143392.
99. Colli, G. R., M. S. Hoogmoed, D. C. Cannatella, et al. 2015. Description and phylogenetic relationships of a new genus and two new species of lizards from Brazilian Amazonia, with nomenclatural comments on the taxonomy of Gymnophthalmidae (Reptilia: Squamata). *Zootaxa* 4000: 401-427.
98. Cannatella, D. C. 2015. *Xenopus* in time and space: fossils, node calibrations, tip-dating, and paleobiogeography. *Cytogenetic and Genome Research* 145:283-301.
97. Brown R. M., C. D. Siler, S. J. Richards, A. C. Diesmos, and D. C. Cannatella. 2015. Multilocus phylogeny and a new classification for Southeast Asian and Melanesian forest frogs (family Ceratobatrachidae). *Zoological Journal of the Linnean Society* doi: 10.1111/zoj.12232.
96. Salerno, P. E., J. C. Señaris, F. J. M. Rojas-Runjaic, and D. C. Cannatella. 2015. Recent evolutionary history of Lost World endemics: population genetics, species delimitation, and phylogeography of sky-island treefrogs. *Molecular Phylogenetics and Evolution*. 82:314-323.
95. Santos, J. C., M. Baquero, C. Barrio-Amorós, L. A. Coloma, L. K. Erdtmann, A. P. Lima, and D. C. Cannatella. 2014. Aposematism increases acoustic diversification and speciation in poison frogs. *Proceedings of the Royal Society B* 281:20141761. doi: 10.1098/rspb.2014.1761.
94. Guerra, M. A., M. J. Ryan, D. C. Cannatella. 2014. Ontogeny of sexual dimorphism in the larynx of the tungara frog, *Physalaemus pustulosus*. *Copeia* 2014(1):123-129.
93. Guarnizo, C., and D. C. Cannatella. 2014. Geographic determinants of gene flow in two sister species of tropical Andean frogs. *Journal of Heredity* 105(2):216-225.
92. Ron, S. A., A. Almendariz, and D. C. Cannatella. 2013. The *Phyllomedusa perinesos* group (Anura: Hylidae) is derived from a Miocene Amazonian lineage. *Zootaxa* 3741(2): 289-294. doi: 10.11646/zootaxa.3741.2.7

91. Blackburn, D. C., C. D. Siler, A. C. Diesmos, J. A. McGuire, D. C. Cannatella, and R. M. Brown. 2013. An adaptive radiation of frogs in a Southeast Asian island archipelago. *Evolution* 67:2631-2646.
90. Zhang, P., D. Liang, R.-L. Mao, D. M. Hillis, D. B. Wake, and D. C. Cannatella. 2013. Efficient sequencing of anuran mtDNAs and a mitogenomic exploration of the phylogeny and evolution of frogs. *Molecular Biology and Evolution* 30:1899-1915. doi:10.1093/molbev/mst091.
89. Abrams, A. J., D. C. Cannatella, D. M. Hillis, and S. L. Sawyer. 2013. Recent host-shifts in ranaviruses: signatures of positive selection in the viral genome. 94:2082-2093. doi: 10.1099/vir.0.052837-0.
88. Hedtke, S., M. J. Morgan, D. C. Cannatella, and D. M. Hillis. 2013. Targeted enrichment: maximizing orthologous gene comparisons across deep evolutionary time. *PloS One* 8:e67908.
87. Guarnizo, C., and D. Cannatella. 2013. Genetic divergence within frog species is greater in topographically more complex regions. *Journal of Zoological Systematics and Evolutionary Research* 51:333-340.
86. Guarnizo, C., C. Escallón, D. Cannatella, and A. Amézquita, A. 2012. Congruence between acoustic traits and genealogical history reveals a new species of *Dendropsophus* (Anura: Hylidae) in the high Andes of Colombia. *Herpetologica* 68(4):523-540 .
85. Salerno, P. E., S. Ron, J. C. Señaris, F. J. M. Rojas-Runjaic, B. P. Noonan, and D. C. Cannatella. 2012. Ancient tepui summits harbor young rather than old lineages of endemic frogs. *Evolution*. 66(10):3000-3013.
84. Santos, J. C., and D. C. Cannatella. 2011. Phenotypic integration emerges from aposematism and scale in poison frogs. *Proceedings of the National Academy of Sciences U.S.A.* 108:6175-6180.
83. Klymus, K. E., S. C. Humfeld, V. T. Marshall, D. C. Cannatella, and H. C. Gerhardt. 2010. Molecular patterns of differentiation in canyon treefrogs (*Hyla arenicolor*): evidence for introgressive hybridization with the Arizona treefrog (*H. wrightorum*) and correlations with advertisement call differences. *Journal of Evolutionary Biology*. 23:1425-1435.
82. Funk, W. C. and D. Cannatella. 2009. A new, large species of *Chiasmocleis* Méhely 1904 (Anura: Microhylidae) from the Iquitos region, Amazonian Peru. *Zootaxa* 2247:37-50.
81. Funk, W.C., D. C. Cannatella, D.C. and M. J. Ryan. 2009. Genetic divergence is more tightly related to call variation than landscape features in the Amazonian frogs *Physalaemus petersi* and *P. freibergi*. *Journal of Evolutionary Biology* 22:1839-1853.
80. Lee, C., M.-P. Le, D. C. Cannatella, and J. B. Wallingford. 2009. Changes in localization and expression levels of Shroom2 and spectrins contribute to variation in amphibian egg pigmentation patterns. *Development, Genes and Evolution* 219:319-330.
79. Pauly, G. B., D. M. Hillis, and D. C. Cannatella. 2009. Taxonomic freedom and the role of official lists of species names. *Herpetologica*. 65:115-128.
78. Santos, J. C., L. A. Coloma, K. Summers, J. P. Caldwell, R. Ree, and D. C. Cannatella. 2009. Amazonian amphibian diversity is primarily derived from late Miocene Andean ancestors. *PLoS Biology* 7(3):1-14.

77. Cannatella, D. C., D. R. Vieites, P. Zhang, M. H. Wake, and D. B. Wake. 2009. Amphibians (Lissamphibia). Pp. 351–356 in *The Timetree of Life*, S. B. Hedges and S. Kumar, Eds. Oxford University Press.
76. Funk, W. C., A. Angulo, J. P. Caldwell, M. J. Ryan, and D. C. Cannatella. 2008. Comparison of morphology and calls of two cryptic species of *Physalaemus* (Anura: Leiuperidae). *Herpetologica* 64(3):290-304.
75. Wollenberg, K. C., D. R. Vieites, A. van der Meijden, F. Glaw, D. C. Cannatella, and M. Vences. 2008. Patterns of endemism and species richness in Malagasy cophyline frogs support a key role of mountainous areas for speciation. *Evolution* 62:1890-1907.
74. Cannatella, D. C. 2008. Technical Comment: Habitat split and the global decline of amphibians. *Science* 320:847c. doi:10.1126/science.1155114.
72. Lemmon, E. M., A. R. Lemmon, J. T. Collins, and D. C. Cannatella. 2008. A new North American chorus frog species (Amphibia: Hylidae: *Pseudacris*) from the south-central United States. *Zootaxa* 1675:1–30.
71. Symula, R., J. S. Keogh, and D. C. Cannatella. 2008. Ancient phylogeographic divergence in southeastern Australia among populations of the widespread common froglet, *Crinia signifera*. *Molecular Phylogenetics and Evolution* 47:569-580.
70. Elmer, K., and D. C. Cannatella. 2008. Three new species of leaf litter frogs from the upper Amazon forests: cryptic diversity within *Eleutherodactylus "ockendeni"* (Anura: Eleutherodactylidae) in Ecuador. *Zootaxa* 1784:11-38.
69. Lehtinen, R M., Nussbaum, R A., Richards, C. R., Cannatella, D. C., and Miguel Vences. 2007. Mitochondrial genes reveal cryptic diversity in plant-breeding frogs from Madagascar (Anura, Mantellidae, *Guibemantis*). *Molecular Phylogenetics and Evolution* 44:1121-1229. doi:10.1016/j.ympev.2007.05.020
68. Lemmon, E. M., A. R. Lemmon, and D. C. Cannatella. 2007. Geological and climatic forces driving speciation in the continentally distributed trilling frogs (*Pseudacris*). *Evolution* 61(9):2086-2103.
67. Lemmon, E. M., A. R. Lemmon, J. T. Collins, J. A. Lee-Yaw, and D. C. Cannatella. 2007. Phylogeny-based delimitation of species boundaries and and contact zones in the trilling chorus frogs. *Molecular Phylogenetics and Evolution* 44:1068-1082.
66. Garda, A. A., and D. C. Cannatella. 2007. Phylogeny and biogeography of paradoxical frogs (Anura, Hylidae, Pseudae) inferred from 12S and 16S mitochondrial DNA. *Molecular Phylogenetics and Evolution* 44:104-114.
65. Funk, W. C., J. P. Caldwell, C. E. Peden, J. M. Padial, I. de la Riva, D. C. Cannatella. 2007. Tests of biogeographic hypotheses for diversification in the Amazonian forest frog, *Physalaemus petersi*. *Molecular Phylogenetics and Evolution* 44:825-837.
64. Boul, K. E., W. C. Funk, C. R. Darst, D. C. Cannatella, and M. J. Ryan. 2007. Sexual selection drives speciation in an Amazonian frog. *Proceedings of the Royal Society B: Biological Sciences* 274(1608):399-406. doi:10.1098/rspb.2006.3736.
63. Bossuyt, F., R. M. Brown, D. M. Hillis, D. C. Cannatella, and M. C. Milinkovitch. 2006. Phylogeny and biogeography of a cosmopolitan frog radiation: Late Cretaceous diversification resulted in continent-scale endemism in the family Ranidae. *Systematic Biology* 55(4): 579-594.
62. Darst, C. R., M. E. Cummings, and D. C. Cannatella. 2006. A mechanism for diversity in warning signals: conspicuousness versus toxicity in poison frogs. *Proceedings of the National Academy of Sciences* 103(15):5852–5857.

61. Cannatella, D. C. 2007. An integrative phylogeny of Amphibia. Pages 12-43 In: Hearing and Sound Communication in Amphibians. Narins, P., and Popper, A. (eds.) Springer-Verlag.
60. Basso, N. G., D. M. Hillis, and D. C. Cannatella. Accepted, under revision for delayed re-submission. Phylogeny of the frog family "Leptodactylidae" based on 12S and 16S mtDNA (Anura: Neobatrachia). Molecular Phylogenetics and Evolution.
59. Ron, S. R., J. C. Santos, and D. C. Cannatella. 2006. Phylogeny of the túngara frog genus *Engystomops* (= *Physalaemus pustulosus* species group; Anura: Leptodactylidae). Molecular Phylogenetics and Evolution 39:392–403.
58. Holloway, A. K, Cannatella, D. C., Gerhardt, H. C., and D. M. Hillis. 2006. Polyploids with different origins and ancestors form a single sexual polyploid species. American Naturalist 167(4):E88–E101.
57. Ron, S., L. A. Coloma, and D. C. Cannatella. 2005. A new cryptic species of *Physalaemus* (Anura: Leptodactylidae) from western Ecuador, with comments on the call structure of the *Physalaemus pustulosus* species group. Herpetologica 61(2):178-198.
56. Evans, B. J., D. B. Kelley, D. J. Melnick, and D. C. Cannatella. 2005. Evolution of RAG-1 in polyploid clawed frogs. Molecular Biology and Evolution 22(5):1193–1207.
55. Darst, C. A., P. A. Menéndez-Guerrero, L. A. Coloma, and D. C. Cannatella. 2005. Evolution of diet specialization and chemical defense in poison frogs (Dendrobatidae): a comparative analysis. American Naturalist 165:56–69.
54. Evans, B. J., D. J. Melnick, and D. C. Cannatella. 2004. Understanding the origins of endemism in phylogeographic analyses. Evolution 58(6): 1397–1400.
53. Evans, B. J., D. B. Kelley, R. Tinsley, D. J. Melnick, and D. C. Cannatella. 2004. A mitochondrial DNA phylogeny of clawed frogs: phylogeography on sub-saharan Africa and implications for polyploid evolution. Molecular Phylogenetics and Evolution 33(1):197–213.
52. Pauly, G. B., D. M. Hillis, and D. C. Cannatella. 2004. The history of a Nearctic colonization: molecular phylogenetics and biogeography of the Nearctic Toads (*Bufo*). Evolution 58(11):2517–2535.
51. Cannatella, D. C. and D. M. Hillis. 2004. Amphibians: Leading a life of slime. Pages 430–450 in J. Cracraft and M. J. Donoghue, Eds. Assembling the Tree of Life. Columbia University Press.
50. Darst, C. R., and D. C. Cannatella. 2004. Novel relationships among hyloid frogs inferred from 12S and 16S mitochondrial DNA sequences. Molecular Phylogenetics and Evolution 31(3):462–475.
49. Ron, S., D. C. Cannatella, and L. A. Coloma. 2004. Two new species of *Physalaemus* (Anura: Leptodactylidae) from western Ecuador. Herpetologica 60(2):261–275.
48. Moriarty, E. C. and D. C. Cannatella. 2004. Phylogenetic relationships of North American chorus frogs (genus *Pseudacris*), from 12S and 16S mtDNA. Molecular Phylogenetics and Evolution 30(2):409–420.
47. Santos, J. C., L. A. Coloma, and D. C. Cannatella. 2003. Multiple, recurring origins of aposematism and diet specialization in poison frogs. Proceedings of the National Academy of Sciences 100(22):12792–12797.

46. Evans, B. J., R. M. Brown, J. A. McGuire, J. Supriatna, N. Andayani, A. Diesmos, D. J. Melnick, and D. C. Cannatella. 2003. Phylogenetic of fanged frogs (Anura; Ranidae; *Limnonectes*) Testing biogeographical hypotheses at the interface of the Asian and Australian faunal zones. *Systematic Biology*. 52(6):794–819.
45. Evans, B. J., J. Supriatna, N. Andayani, M. I. Setiad, D. C. Cannatella, D. J. Melnick. 2003b. Monkeys and toads define areas of genetic endemism on the island of Sulawesi. *Evolution* 57(6):1436–1443.
44. Cannatella, D. C. 2003. True toads, harlequin frogs, and relatives. Pages 183–197 in Grzimek's Animal Life Encyclopedia. Amphibians. Edition 2, Volume 6. The Thomson Gale Group.
43. Cannatella, D. C. 2002. Amphibians. Pages 36–42 in *Encyclopedia of Evolution* (M. Pagel, ed.) Oxford University Press, Oxford.
42. Cannatella, D. C. 1999. Architecture: Cranial and Axial Musculoskeleton. Pp. 52–91 in "Tadpoles: The biology of anuran larvae." (R. McDiarmid and R. Altig, eds.), University of Chicago Press.
41. Pianka, E. R., D. M. Hillis, D. C. Cannatella, M. J. Ryan, and J. J. Wiens. 1998. Teaching herpetology. *Herpetologica* 54(suppl.):S3–S5.
40. Cannatella, D. C., D. M. Hillis, P. T. Chippindale, L. Weigt, A. S. Rand, and M. J. Ryan. 1998. Phylogeny of frogs of the *Physalaemus pustulosus* species group, with an examination of data incongruence. *Syst. Biol.* 47(2):311–335.
39. Cannatella, D. C. 1997. Review: Biota. The Biodiversity Database Manager. *Systematic Biology* 46(3):574–575.
38. Cannatella, D. C. 1997. Review: Homology and Homoplasy. *Systematic Biology* 46(2):366–369.
37. Cannatella, D. C. 1996. Review: Amphibian Biology. Volumes 1 and 2. *Copeia* 1996(4):1046–47.
36. Graybeal, A., and D. C. Cannatella. 1995. A new taxon of Bufonidae from Peru, with descriptions of two new species and a review of the phylogenetic status of supraspecific bufonid taxa. *Herpetologica* 51(2):105–131.
35. Cannatella, D. C., and R. O. de Sá. 1994. *Xenopus laevis* as a model organism. *Syst. Biol.* 42(4):476–507.
34. Green, D. M., and D. C. Cannatella. 1993. Phylogenetic significance of the amphicoelous frogs, Ascaphidae and Leiopelmatidae. *Ecol. Ethol. Evol.* 5:233–245.
33. Ford, L. S., and D. C. Cannatella. 1993. The major clades of frogs. *Herpetol. Monographs* 7:94–117.
32. Cannatella, D. C., and Hillis, David M. 1993. Amphibian relationships: phylogenetic analysis of morphology and molecules. *Herpetol. Monographs* 7:1–7.
31. Cannatella, D. C., Smith, H. M. 1993. A consensus on the spelling of certain snake family-group names. *Herp. Review* 24(1):13–14.
30. Nishikawa, K. C., and D. C. Cannatella. 1991. Kinematics of prey capture in the Tailed Frog, *Ascaphus truei* (Anura: Ascaphidae). *Zool. J. Linn. Soc.* 103(3):289–307.
29. Cannatella, D. C. 1991. Review: Phylogeny and the classification of fossil and Recent organisms. *Syst. Zool.* 40(3):376–378.
28. Cannatella, D. C. 1990. Ancient Greek and ophidian orthography. *Journal of Herpetology* 24(3):322–323.
27. Cannatella, D. C. 1989. On the monophyly of discoglossoid frogs. in H. Splechtna and H. Hilgers (eds.) *Trends in Vertebrate Morphology, Fortschritte der Zoologie* 35:230–231.

26. Gauthier, J. A., D. C. Cannatella, K. de Queiroz, A. G. Kluge, and T. Rowe. 1989. Tetrapod phylogeny. Chapter 25 (pp. 337–353) in "The Hierarchy of Life." Proceedings of the Nobel Symposium. Elsevier Science Publishers.
25. Cannatella, D. C. and K. de Queiroz. 1989. Phylogenetic systematics of the anoles: Is a new taxonomy warranted? *Systematic Zoology* 38(1):57–69.
24. Cannatella, D. C. and L. Trueb. 1988. Evolution of pipoid frogs: Intergeneric relationships of the aquatic frog family Pipidae (Anura). *Zoological Journal of the Linnean Society* 94:1–38.
23. Cannatella, D. C. and L. Trueb. 1988. Evolution of pipoid frogs: Morphology and phylogenetic relationships of *Pseudhymenochirus*. *Journal of Herpetology* 22(4):439–456.
22. Cannatella, D. C. 1988. Review: La nomenclature supragénérique des amphibiens anoures, by Alain Dubois. *Herpetological Review* 19(2):44.
21. Duellman, W. E., Cadle, J. E., and D. C. Cannatella. 1988. A new species of terrestrial *Phyllomedusa* from Peru. *Herpetologica* 44(1):91–95.
20. Poinar, G. O. and D. C. Cannatella. 1988. Response: Significance of frog in amber. *Science* 239:1478.
19. Poinar, G. O. and D. C. Cannatella. 1987. An upper Eocene frog from the Dominican Republic and its implication for Caribbean biogeography. *Science* 237(4819):1215–1216.
18. Trueb, L. and D. C. Cannatella. 1986. Systematics, morphology, and phylogeny of the genus *Pipa* (Anura:Pipidae). *Herpetologica* 42(4):412–449.
17. Cannatella, D. C. and W. W. Lamar. 1986. Synonymy and distribution of *Centrolenella orientalis*, with notes on its life-history (Anura: Centrolenidae). *Journal of Herpetology* 20(3):307–317.
16. Cannatella, D. C. 1986. A new species of *Osornophryne* (Anura: Bufonidae) from the Andes of Ecuador. *Copeia* 1986(3):618–622.
15. Cannatella, D. C. 1985. A new genus of bufonid (Anura) from South America, and phylogenetic relationships of the Neotropical genera. *Herpetologica* 42(2):197–205.
14. Gray, P. and D. C. Cannatella. 1985. A new species of *Atelopus* (Anura, Bufonidae) from the Andes of northern Peru. *Copeia* 1985(4):910–917.
13. Cannatella, D. C. 1985. The systematic status of *Syrrhophus juninensis* Shreve (Anura: Leptodactylidae). *Proceedings of the Biological Society of Washington* 98(4):774–777.
12. Cannatella, D. C. 1985. Family Leptodactylidae, pp. 234–349, and Family Centrolenidae, pp. 77–86. In *Amphibian species of the world*. Darrel Frost (ed.). Allen Press and the Association of Systematics Collections.
11. Cannatella, D. C. and W. E. Duellman. 1984. Leptodactylid frogs of the *Physalaemus pustulosus* group. *Copeia* 1984(4):902–921.
10. Cannatella, D. C. 1984. Review: Catalogue of New World amphibians. By Keith A. Harding. *Copeia* 1984(3):804–805.
09. Cannatella, D. C. 1984. Two new species of the leptodactylid frog genus *Phrynopis*, with comments on the phylogeny of the genus. *Occasional Papers of the Museum of Natural History, The University of Kansas* 113:1–16.
08. Hillis, D. M. and D. C. Cannatella. 1983. Calculation of indices of genetic distance, genetic similarity, and average homozygosity: correction of Green's computer program. *Journal of Heredity* 74:115.
07. Cannatella, D. C. 1983. Synonymy and distribution of *Phyllomedusa boliviana*

- Boulenger (Anura: Hylidae). Proceedings of the Biological Society of Washington 96(1):59–66.
06. Cannatella, D. C. and W. E. Duellman. 1982. Two new species of *Centrolenella*, with a brief review of the genus in Peru and Bolivia. Herpetologica 38(3):380–388.
 05. Cannatella, D. C. 1982. Leaf-frogs of the *Phyllomedusa perineros* group (Anura:Hylidae). Copeia 1982(3):501–513.
 04. Trueb, L. and D. C. Cannatella. 1982. The cranial osteology and hyolaryngeal apparatus of *Rhinophrynus dorsalis* (Anura:Rhinophrynidae) with comparisons to Recent pipid frogs. Journal of Morphology 171(1):11–40.
 03. Cannatella, D. C. 1981. A new *Atelopus* from Ecuador and Colombia. Journal of Herpetology 15(2):133–38.
 02. Cannatella, D. C. 1980. Two new species of *Centrolenella* from Bolivia (Anura: Centrolenidae). Proceedings of the Biological Society of Washington 93(3):714–24.
 01. Cannatella, D. C. 1980. A review of the *Phyllomedusa buckleyi* group (Anura:Hylidae). Occ. Pap. of the Museum of Natural History, The University of Kansas (87):1–40.

PUBLICATIONS BY STUDENTS AND POSTDOCS; (19 SINCE 2006), BASED ON RESEARCH DONE AT UT. Depending on the source of funding and conceptual origin of the project, students may publish work done in my lab without my co-authorship.

- Garda, A. A., Costa, G. C., França, F. G. R., Giugliano, L. G., Leite, G. S., Mesquita, D. O., Nogueira, C., Tavares-Bastos, L., **Vasconcellos, M. M.**, et al. 2012. Reproduction, body size, and diet of *Polychrus acutirostris* (Squamata, Polychrotidae) in two contrasting environments in Brazil. Journal of Herpetology 46(1):2-8.
- Guimarães, T. C. S., Figueiredo, G. B., Mesquita, D. O., and **M. M. Vasconcellos**. 2011. Ecology of *Hypsiboas albopunctatus* (Spix, 1824) (Anura, Hylidae) in a Neotropical savanna. Journal of Herpetology 45(2):244-250.
- Santos, J. C.** 2012. Fast molecular evolution associated with high active metabolic rates in poison frogs. Molecular Biology and Evolution. Advance Publication.
- Barrio-Amorós, C. L., and **J. C. Santos**. 2012. A phylogeny for *Aromobates* (Anura: Dendrobatidae) with description of three new species from the Andes of Venezuela, taxonomic comments on *Aromobates saltuensis*, *A. inflexus*, and notes on the conservation status of the genus. Zootaxa 3422:1-31.
- Salerno, P. E.**, and G. B. Pauly. 2012. Clutch size variation in egg-brooding *Stefania*. South American Journal of Herpetology 7:47-54.
- Davis, D. R.*, and **G. B. Pauly**. 2011. Morphological variation among populations of the Western Slimy Salamander on the Edwards Plateau of Central Texas. Copeia 2011:103-112.
- Barrio-Amorós, C. L., **Santos, J. C.** 2011. Redescription and generic assignation of *Dendrobates rufulus* Gorzula (Anura, Dendrobatidae) from Chimantá tepui, Venezuela. Salamandra 47(3):155-160.
- Páez-Vacas, M. I.*, Coloma, L. A., **Santos, J. C.** 2010. Systematics of the *Hyloxalus bocagei* complex (Anura: Dendrobatidae): description of two new species and recognition of *H. maculosus*. Zootaxa Monographs (2711):1-149.
- Barrio-Amorós, C. L., **Santos, J. C.**, Molina, C. R. 2010. Diversity of dendrobatid frogs in Venezuela underestimated: Description of three new *Mannophryne* (Anura: Dendrobatidae: Aromobatinae). Phyllomedusa 9(1) 3-35.

- Barrio-Amorós, C. L., **Santos, J. C.** 2010. Amphibia, Anura, Dendrobatidae, *Allobates femoralis* (Boulenger, 1884): First confirmed country records, Venezuela. *CheckList* 6 (2):208-209.
- Barrio-Amorós, C. L., Rivas, G. A., Molina, C. R., **Santos, J. C.**, Kaiser, H. 2010. Intraspecific variation in the endangered frog *Mannophryne riveroi* (Anura, Dendrobatidae, Aromobatinae), with comments on coloration and natural history. *Herpetological Notes* 3:151-160.
- Barrio-Amorós, C. L., **Santos, J. C.**, Jovanovic, O. 2010. A new dendrobatid frog (Anura: Dendrobatidae: *Anomaloglossus*) from the Orinoquian rainforest, southern Venezuela. *Zootaxa* 2413:37-50
- Barrio-Amorós, C. L., and **J. C. Santos**. 2010. Amphibia, Anura, Dendrobatidae, *Allobates femoralis* (Boulenger, 1884): First confirmed country records, Venezuela. *Checklist* 6(2):208-209.
- Barrio-Amorós, C. L., **Santos, J. C.** 2009. Description of a new *Allobates* (Anura, Dendrobatidae) from the eastern Andean piedmont, Venezuela. *Phyllomedusa* 8(2): 89-104.
- Guerra, M.**, and S. Ron. 2008. Mate choice and courtship signal differentiation promotes speciation in an Amazonian frog. *Behavioral Ecology* doi:10.1093/beheco/arn098.
- Pauly, G. B.**, S. R. Ron, and L. Lerum. 2008. Molecular and ecological characterization of extralimital populations of red-legged frogs from western North America. *Journal of Herpetology* 42:668–679.
- Oliver, J. C., K. L. Prudic, and **G. B. Pauly**. 2007. Parasitism rates in larval *Lycaena xanthoides* (Godart) (Lepidoptera: Lycaenidae) and a new host record for *Cotesia theclae* (Riley) (Hymenoptera: Braconidae). *The Pan-Pacific Entomologist* 83:262–264.
- Pauly, G. B.**, X. E. Bernal, A. S. Rand, and M. J. Ryan. 2006. The vocal sac increases call rate in the tungara frog, *Physalaemus pustulosus*. *Physiological and Biochemical Zoology* 79:708-719.
- Darst, C. R.**, and M. E. Cummings. 2006. Predator learning favours mimicry of a less-toxic model in poison frogs. *Nature* 440:208–211.
- Darst, C. R.** 2006. Predator learning, experimental psychology, and novel predictions for mimicry dynamics. *Animal Behaviour* 71(4):743–748.
- Pounds, J. A., J. A. Consuegra, M. P. L. Fogden, P. N. Foster, K. L. Masters, R. Puschendorf, **S. R. Ron**, G. A. Sánchez-Azofeifa, and C. J. Still. 2006. Widespread amphibian extinctions from epidemic disease driven by global warming. *Nature* 439:161–167.
- Pauly, G. B.**, X. E. Bernal, A. S. Rand, and M. J. Ryan. 2006. The vocal sac increases call rate in the túngara frog, *Physalaemus pustulosus*. *Physiological and Biochemical Zoology* 79(4):708-719.
- Brown, J. B. and **G. B. Pauly**. 2005. Increased rates of molecular evolution in an equatorial plant clade: An effect of environment or phylogenetic nonindependence? *Evolution* 59:238–242.
- Ron, S. R.** 2005. Predicting the distribution of the amphibian pathogen *Batrachochytrium dendrobatidis* in the New World. *Biotropica* 37:209–221.
- Bustamante, M. R., **S. R. Ron**, and L. A. Coloma. 2005. Cambios en la diversidad de siete comunidades de anuros en los Andes del Ecuador. *Biotropica* 37:80–89.
- Lemmon, A. R., and **E. C. Moriarty**. 2004. The importance of proper model assumption in bayesian phylogenetics. *Systematic Biology* 53:265-277.

- Graham, C. H., **S. R. Ron**, C. Moritz, **J. C. Santos**, and C. J. Schneider. 2004. Integrating phylogenetics and environmental niche models to explore speciation mechanisms in dendrobatid frogs. *Evolution* 58:1781–1793.
- de Queiroz, K. and **S. Poe**. 2001. Karl Popper and methods of phylogenetic inference: A comparison of likelihood and parsimony methods in the context of Popper's writings on scientific corroboration. *Systematic Biology* 50(3):305–321.
- Brown, R. M.**, and A. C. Diesmos. 2001 (2002). Application of lineage-based species concepts to oceanic island frog populations: the effects of differing taxonomic philosophies on the estimation of Philippine biodiversity. *The Silliman Journal* 42:133–162.
- McGuire, J. A.**, and A. C. Alcala. 2000. A taxonomic revision of the flying lizards of the Philippine Islands (Iguania: Agamidae: *Draco*), with a description of a new species. *Herpetological Monographs* 14:81–138.
- Chippindale, P. T., A. H. Price, **J. J. Wiens**, and D. M. Hillis. 2000. Phylogenetic relationships and systematic revision of central Texas hemidactyliine plethodontid salamanders. *Herpetological Monographs* 14:1–80.
- Brown, R. M.**, **J. A. McGuire**, and A. C. Diesmos. 2000. The status of some Philippines frogs related to *Rana everetti*: description of a new species and resurrection of *R. igorota* (Taylor). *Herpetologica* 56:81–104.
- Brown, R. M.** 2000. A new species of parachute gecko (Squamata; Gekkonidae; Genus *Ptychozoon*) from northeastern Thailand and Central Vietnam. *Copeia* 2000:990–1001.
- Poe, S.** and **J. J. Wiens**. 2000. Character selection and the methodology of morphological phylogenetics. Pages 20–36 in J. J. Wiens, ed., *Phylogenetic analysis of morphological data*. Smithsonian Institution Press.
- Brown R. M.**, J. Supriatna, and H. Ota. 2000. Description of a new species of *Luperosaurus* (Squamata; Gekkonidae) from Sulawesi, with a phylogenetic analysis of the genus and comments on the status of *L. serraticaudus*. *Copeia* 2000:191–209.
- Brown, R. M.** and D. T. Iskandar. 2000. Nest site selection, larval hatching, and advertisement calls, of *Rana arathooni* (Amphibia; Anura; Ranidae) from southwestern Sulawesi (Celebes) Island, Indonesia. *J. Herpetol.* 34:404–413.
- Brown, R. M.**, **J. A. McGuire**, J. W. Ferner, and A. C. Alcala. 1999. A new diminutive species of skink (Squamata; Scincidae; Lygosominae: *Sphenomorphus*) from Luzon Island, Republic of the Philippines. *Copeia* 1999:362–370.
- Brown, R. M.**, A. E. Leviton, and R. V. Sison. 1999. Description of a new species of *Pseudorabdion* from Panay Island, Philippines, with a revised key to the genus. *Asiatic Herpetological Research* 8:7–12.
- Poe, S.**, and D. L. Swofford. 1999. Taxon sampling revisited. *Nature* 398:299–300.
- Poe, S.** 1998. Sensitivity of phylogeny estimation to taxonomic sampling. *Systematic Biology* 47:18–31.
- Wiens, J. J.**, and M. R. Servedio. 1998. Phylogenetic analysis and intraspecific variation: Performance of parsimony, likelihood, and distance methods. *Systematic Biology* 47:228–253.
- Messenger, S. L., and **J. A. McGuire**. 1998. Morphology, molecules, and the phylogenetics of cetaceans. *Systematic Biology* 47:90–124.
- Poe, S.** 1998. Skull characters and the cladistic relationships of the Hispaniolan dwarf twig *Anolis*. *Herpetological Monographs* 12:192–236.

- Brown, W. C., A. C. Alcala, and **R. M. Brown**. 1998. Taxonomic status of *Cornufer worcesteri*. *Journal of Herpetology*, 33(1):131–133.
- Poe, S.** 1998. The effect of taxonomic sampling on accuracy of phylogeny estimation: Test case of a known phylogeny. *Molecular Biology and Evolution* 15:1086–1090.
- Brown, W. C., **R. M. Brown**, A. C. Alcala and D. Frost. 1997. Replacement name for *Platymantis reticulatus* Brown, Brown, and Alcala, 1997 (Ranidae: Raninae). *Herpetological Review* 28(3):131.
- Wiens, J. J.**, and **T. W. Reeder**. 1997. Phylogeny of the spiny lizards (*Sceloporus*) based on molecular and morphological evidence. *Herpetological Monographs* 11:1–101.
- Wiens, J. J.**, and M. R. Servedio. 1997. Accuracy of phylogenetic analysis including and excluding polymorphic characters. *Systematic Biology* 46:332–345.
- Brown, R. M.**, J. W. Ferner and A. C. Diesmos. 1997. Definition of the Philippine parachute gecko, *Ptychozoon intermedium* Taylor 1915 (Reptilia: Squamata: Gekkonidae): redescription, designation of a neotype, and comparisons with related species. *Herpetologica*, 53(3):357–373.
- Poe, S.** 1996. Data set incongruence and the phylogeny of crocodilians. *Systematic Biology* 45:393–414.
- McGuire, J. A.** 1996. Phylogenetic systematics of crotaphytid lizards. *Bulletin of the Carnegie Museum* No. 32:1–143.
- Wiens, J. J.**, and D. M. Hillis. 1996. Accuracy of parsimony analysis using morphological data: A reappraisal. *Systematic Botany* 21:237–243.
- Reeder, T. W.**, and **J. J. Wiens**. 1996. Evolution of the lizard family Phrynosomatidae as inferred from diverse types of data. *Herpetological Monographs* 10:43–84.
- Wiens, J. J.**, and M. R. Morris. 1996. Character definitions, sexual selection, and the evolution of swordtails. *The American Naturalist* 147:866–869.
- Wiens, J. J.** 1995. Polymorphic characters in phylogenetic systematics. *Systematic Biology* 44:482–500.
- Wiens, J. J.**, and **T. W. Reeder**. 1995. Combining data sets with different numbers of taxa for phylogenetic analysis. *Systematic Biology* 44:548–558.
- Chippindale, P. T., and **J. J. Wiens**. 1994. Weighting, partitioning, and combining characters in phylogenetic analysis. *Systematic Biology* 43:278–287.
- Wiens, J. J.**, and P. T. Chippindale. 1994. Combining and weighting characters and the prior agreement approach revisited. *Systematic Biology* 43:564–566.
- Duellman, W. E., and **J. J. Wiens**. 1993. Hylid frogs of the genus *Scinax* Wagler 1830, in Amazonian Ecuador and Peru. *Occasional Papers of the Museum of Natural History University of Kansas* 153:1–57.
- Wiens, J. J.** 1993. Review of "Herpetology" by George Zug. *Systematic Biology* 42:592–596.

PAPERS PRESENTED (SINCE 2002):

101. The impact of taxonomic progress on knowing the Tree of Life: an example from amphibians. SICB meetings. (D. Blackburn, Jeet Sukumaran, and David Wake, co-authors).
100. Stable taxonomies in ranoid frogs. Asian Herpetological Congress, Chengdu, China, June 2012.
99. Phenotypic integration emerges from aposematism and scale in poison frogs. IXCLAH. Congreso Latino Americano de Herpetologia. July 2011. Curitiba, Brasil.

98. Aposematism as phenotypic integration in poison frogs (with Juan Santos). SSB/SSE meetings, Univ. Oklahoma, Norman 2011.
98. Why stable taxonomies are both useful and important. SSB/SSE meetings, Portland, OR, June 2010
97. Why stable taxonomies are both useful and important. ASIH-SSAR-HL meetings, Providence, RI, July 2010.
96. Origem andina para as rãs venenosas da Amazônia (Dendrobatidae). Brazilian Congress of Herpetology IV. Pirenópolis, Brazil, July 2009.
95. Phylogeographic relationships among populations of the Australian common froglet, *Crinia signifera*: Comparison of nuclear POMC polymorphisms to mtDNA. (with Jean Kwon and Beckie Symula) SSB/SSE meetings, Univ. Minnesota 2008.
94. Phylogeny of Andean eleutherodactyline frogs (*Eleutherodactylus* and *Phrynopus*), and how convergent loss of characters can mislead phylogeny. (with Edgar Lehr). ASIH-SSAR-HL meetings, St. Louis, Missouri, June 2007.
93. The phylogenetic utility of POMC in assessing frog evolution. (with Kristin Hook) Society of Systematic Biologists, Christchurch, New Zealand, June 2007.
92. Geological and climatic forces driving speciation in the continentally distributed trilling chorus frogs (*Pseudacris*). (with Emily Moriarty Lemmon) Society of Systematic Biologists, Christchurch, New Zealand, June 2007.
91. Climbing the tree of frogs. Society of Systematic Biologists, Christchurch, New Zealand, June 2007.
90. Filogenia das anfíbios: Avanços, questionamentos, e futuro (in Portuguese). Roundtable discussion. III Congresso Brasileira de Herpetologia. Belem, Brazil, July 2007.
89. Taxonomia e nomenclatura dos anfíbios (in Portuguese). Plenary lecture. III Congresso Brasileira de Herpetologia. Belem, Brazil, July 2007.
88. Evolution of physiological changes in association with aposematism in poison frogs (Dendrobatidae). (with Juan Santos) ASIH-SSAR-HL meetings, New Orleans, Louisiana, June 2006.
87. Evolution of advertisement calls in chorus frogs (*Pseudacris*: Hylidae). (with Emily C. Moriarty Lemmon, and Marcos Gridi-Papp. ASIH-SSAR-HL meetings, New Orleans, Louisiana, June 2006.
86. Challenges facing the tree of frogs. ASIH-SSAR-HL meetings, New Orleans, Louisiana, June 2006.
85. From the bottom, up: Essays on Frogs. Past-Presidential Address. Society of Systematic Biologists, Alaska, June 2005.
84. Phylogeography and call variation in an Amazonian frog. (with W. Chris Funk, Michael J. Ryan, Kathryn E. Boul). Society of Systematic Biologists, Alaska, June 2005.
83. Phylogeography and systematics of the trilling chorus frogs (*Pseudacris*). (with Emily C. Moriarty Lemmon, Joseph T. Collins, Alan R. Lemmon). Society of Systematic Biologists, Fairbanks, Alaska, June 2005.
82. Biogeography of the Poison Frogs. (with Juan C. Santos, Coloma, Luis A. Caldwell, Janalee P., Summers, Kyle) ASIH-SSAR-HL meetings, Tampa, Florida, June 2005.
81. Diversification of hyloid frogs: A nuclear perspective. (with Dan Scantlebury and Ted Townsend). ASIH-SSAR-HL meetings, Tampa, Florida, June 2005.
80. AmphibiaTree. ASIH-SSAR-HL meetings, Tampa, Florida, June 2005.

79. Filogenia y evolución del canto de *Physalaemus* del grupo de especies *pustulosus* (Anura: Leptodactylidae): variaciones sobre un mismo tema. (with Santiago Ron and Juan Santos). VII Congreso Latinoamericano Asociación Herpetologica, Cuernavaca, México, July 2005.
78. Las relaciones evolutivas de los anuros leptodactílidos sobre la base del secuencias de ADN mitocondrial. (with Nestor Basso and David Hillis). VII Congreso Latinoamericano Asociación Herpetologica, Cuernavaca, México, July 2005.
77. Morphology and frog phylogeny in a post-genomic world. ASIH-SSAR-HL meetings, Norman, Oklahoma, 2004.
76. Phylogeny and diversification of poison frogs (Dendrobatidae). (with Juan C. Santos, Luis A. Coloma, Janalee P. Caldwell, K. Summers). ASIH-SSAR-HL meetings, Norman, Oklahoma, 2004.
75. Phylogeography and systematics of the trilling chorus frogs (*Pseudacris*): New range borders and a new North American species (with Emily C. Moriarty Lemmon, Joseph T. Collins, Alan R. Lemmon, Julie Lee-Yaw). ASIH-SSAR-HL meetings, Norman, Oklahoma, 2004.
74. Evolutionary relationships and biogeography of Nearctic hylids (with Alisha K. Holloway, David M. Hillis). ASIH-SSAR-HL meetings, Norman, Oklahoma, 2004.
73. The evolution of toxicity and diet-specialization in poison frogs: A comparative analysis (with Catherine R. Darst, Pablo Menendez, Luis A. Coloma). ASIH-SSAR-HL meetings, Norman, Oklahoma, 2004.
72. Molecular phylogeny of the Papuan microhylid frogs (with David Bickford). ASIH-SSAR-HL meetings, Norman, Oklahoma, 2004.
71. An integrated analysis of datasets for the phylogeny of frogs. Society for Integrative and Comparative Biology, New Orleans, Louisiana 2004.
70. Assembling the Tree of Amphibians. Presidential Address, American Society of Ichthyologists and Herpetologists, Manaus Brazil, 2003.
69. AmphibiaTree: a community-based phylogeny of amphibians. (with D. Hillis and D. Wake) Society of Systematic Biologists, Chico, California, 2003.
68. Relaciones filogenéticas del género *Telmatobius*. (with Nestor Basso) VICLAH, Lima, Peru, January 2003.
67. Evolution of aposematism in dendrobatid frogs. (with Juan Santos and Luis Coloma) Society of Systematic Biologists, Urbana, Illinois, 2002
66. Evolution of aposematism in dendrobatid frogs. (with Juan Santos and Luis Coloma) ASIH-SSAR-HL meetings, Kansas City, Missouri, 2002