

GUSTAVO ADOLFO BRAVO, PH.D.

RESEARCH ASSOCIATE

Harvard University
Department of Organismal and Evolutionary Biology
Museum of Comparative Zoology
26 Oxford St, Cambridge, MA 02138, USA
+1 (617) 496-8387 • +1 (857) 253-9199
gustavo_bravo@fas.harvard.edu • gbravom@gmail.com
www.gustavoabravo.com
[11/27/2018]

EDUCATION

- Louisiana State University, Baton Rouge, LA.** 2012
Ph.D. Biological Sciences. Systematics, Ecology, and Evolution
Thesis: *Phenotypic and niche evolution in the antbirds (Aves, Thamnophilidae)*.
Advisors: Dr. J. V. Remsen Jr. and Dr. R. T. Brumfield.
Committee: Dr. K. E. Harms, Dr. B. C. Carstens, Dr. P. C. Stouffer, Dr. A. Grooters.
- Universidad de los Andes, Bogotá, Colombia.** 2002
B.Sc. Biological Sciences.

RESEARCH AND ACADEMIC APPOINTMENTS

- Research Associate.** 2016 – present
Dept. of Organismal and Evolutionary Biology & Museum of Comparative Zoology.
Harvard University.
- FAPESP Postdoctoral Fellow.** 2013 – 2016
Museu de Zoologia da Universidade de São Paulo, Brazil.
- Junior Researcher.** 2002 – 2005
Conservation Biology Program. Instituto Alexander von Humboldt, Colombia.
- Undergraduate Research Student.** 2001 – 2002
Universidad de los Andes – Omacha Foundation, Colombia.

CURATORIAL EXPERIENCE

- Curatorial Assistant - Ornithology Collection.** 2005 – 2010
Louisiana State University Museum of Natural Science. Curator Dr. J. V. Remsen Jr.
- Curatorial Assistant - Ichthyology Collection.** 2009
Louisiana State University Museum of Natural Science. Curator Dr. P. Chakrabarty.

TEACHING EXPERIENCE

UNDERGRADUATE COURSES

- Teaching Assistant.** BIOL 2153 Principles of Genetics. 2008 – 2012
Louisiana State University. Professors Dr. R. T. Brumfield, Dr. A. Smith, Dr. G. Brininstool.
Four semesters.
- Teaching Assistant.** BIOL 1209 Introductory Biology II. 2010
Louisiana State University. Professor Dr. E. W. Wischusen.

- Teaching Assistant.** BIOL 4142 Ornithology Lab. 2008
Louisiana State University. Professor Dr. J. V. Remsen Jr..
- Teaching Assistant.** BIOL 1208 Introductory Biology I. 2007
Louisiana State University. Professor Dr. E. W. Wischusen.

WORKSHOPS

- Instructor.** Genomics and Bioinformatics. 2017
Harvard University. Ornithological Congress of the Americas. Misiones, Argentina.
Co-taught with Dr. S. V. Edwards, Dr. T. B. Sackton, and Dr. A. J. Shultz.
- Instructor.** Scientific Collections Workshop. 2007
II Colombian Ornithology Congress, Bogotá, Colombia.
Co-taught with Dr. F. G. Stiles and Dr. A. M. Cuervo.

PUBLICATIONS

REFEREED PUBLICATIONS

- (24) Lamichhaney, S., D. C. Card, P. Grayson, J. F. R. Tonini, **G. A. Bravo**, K. Nöpflin, F. Termignoni-Garcia, C. Torres, F. Burbrink, J. A. Clarke, T. B. Sackton, S. V. Edwards. Natural history-derived phenomics and comparative genomics as tools for studying evolutionary convergence. In review at *Philosophical Transactions of the Royal Society B*.
- (23) Oliveros, C. H., D. J. Field, D. T. Ksepka, F. K. Barker, A. Aleixo, M. J. Andersen, P. Alström, B. W. Benz, E. L. Braun, M. Braun, **G. A. Bravo**, R. T. Brumfield, R. T. Chesser, S. Claramunt, J. Cracraft, A. M. Cuervo, E. P. Derryberry, T. C. Glenn, M. G. Harvey, P. A. Hosner, L. Joseph, R. T. Kimball, A. L. Mack, C. M. Miskelly, A. T. Peterson, M. B. Robbins, F. H. Sheldon, L. F. Silveira, B. T. Smith, N. D. White, R. G. Moyle, B. C. Faircloth. Earth history and the passerine superradiation. In review at *Proceedings of the National Academy of Sciences USA*.
- (22) **Bravo, G. A.**, A. Antonelli, C. D. Bacon, K. Bartoszek, M. Blom, S. Huynh, G. Jones, L. L. Knowles, S. Lamichhaney, T. Marcussen, H. Morlon, L. Nahkkeh, B. Oxelman, B. Pfeil, A. Schliep, N. Wahlberg, F. Werneck, J. Wiedenhoft, S. Willows-Munro, and S. V. Edwards. Embracing heterogeneity: Building the Tree of Life and the future of phylogenomics. In review at *PeerJ. PeerJ Preprints* 6:e26449v3
<https://doi.org/10.7287/peerj.preprints.26449v3>
- (21) Carneiro, L., **G. A. Bravo**, and A. Aleixo. 2018. Phenotypic similarity leads to taxonomic inconsistency: a revision of the genera *Hylopezus* and *Mymothera* (Passeriformes, Grallariidae), with description of a new genus from the Atlantic Forest. *Zoologica Scripta* <https://doi.org/10.1111/zsc.12324>
- (20) Van Doren, B. M., B. G. Freeman, N. Aristizábal, M. Álvarez-R, J. Pérez-Emán, A. M. Cuervo, and **G. A. Bravo**. 2018. Species limits in the Rusty-breasted Antpitta (*Grallaricula ferrugineipectus*) complex. *Wilson Journal of Ornithology* 130: 152–167.
- (19) Carneiro, L., **G. A. Bravo**, N. Aristizábal, A. M. Cuervo, and A. Aleixo. 2018. Molecular systematics and biogeography of lowland antpittas (Aves, Grallariidae): The role of vicariance and dispersal in the diversification of a widespread Neotropical lineage. *Molecular Phylogenetics and Evolution* 120: 375–389.
- (18) Ceriaco, L., E. E. Gutiérrez, A. Dubois [and 493 co-signatories]. 2016. Photography-based taxonomy is inadequate, unnecessary, and potentially harmful for biological sciences. *Zootaxa* 4196:435–445.
- (17) Winger, B. M., P. A. Hosner, **G. A. Bravo**, A. M. Cuervo, N. Aristizábal, L. E. Cueto, and J. M. Bates. 2015. Inferring speciation history in the Andes with reduced-representation sequence data: an example in the bay-backed antpittas (Aves; Grallariidae; *Grallaria hypoleuca* s. l.). *Molecular Ecology* 24: 6256–6277.
- (16) Isler, M. L., **G. A. Bravo**, and R. T. Brumfield. 2014. Systematics of the obligate ant-following clade of antbirds (Aves: Passeriformes: Thamnophilidae). *Wilson Journal of Ornithology* 126: 635–648.
- (15) **Bravo, G. A.**, J. V. Remsen, Jr. and R. T. Brumfield. 2014. Adaptive processes drive ecomorphological convergent evolution in antwrens (Thamnophilidae). *Evolution* 68: 2757–2774.

- (14) Harvey, M. G., Seeholzer, G. F., D. Cáceres-A, B. M. Winger, J. G. Tello, F. Hernández-Camacho, M. A. Aponte-Justiniano, C. V. Duffie, S. Figueroa-Ramírez, R. S. Terrill, C E. Brown, L. Alza, **G. A. Bravo**, M. Combe, O. Custodio, A. Quiñones-Zumaeta, A. Urbay-Tello, W. A. Garcia-Bravo, A. Z. Savit, F. W. Pezo-Ruiz, and W. M. Mauck. 2014. The avian biogeography of an Amazonian headwater: the upper Ucayali River, Peru. **Wilson Journal of Ornithology** 126: 179–191.
- (13) Isler, M. L., **G. A. Bravo**, and R. T. Brumfield. 2014. *Inundicola* Bravo, Isler, and Brumfield. 2013 is a junior synonym of *Akletos* Dunajewski 1948 (Aves: Passeriformes: Thamnophilidae). **Zootaxa** 3779: 399–400.
- (12) Tello, J. G., M. Raposo, J. M. Bates, **G. A. Bravo**, C. D. Cadena, and M. Maldonado-Coelho. 2014. Phylogenetic analyses of molecular data in reassessing the systematics of the widespread Neotropical genus *Cercomacra* (Aves, Thamnophilidae). **Zoological Journal of the Linnean Society** 170: 546–565.
- (11) Isler, M. L., **G. A. Bravo**, and R. T. Brumfield. 2013. Taxonomic revision of *Myrmeciza* (Aves: Passeriformes: Thamnophilidae) into 12 genera based on phylogenetic, morphological, behavioral, and ecological data. **Zootaxa** 3717: 469–497.
- (10) Whitney, B. M., M. L. Isler, **G. A. Bravo**, N. Aristizábal, F. Schunck, L. F. Silveira, V. de Q. Piacentini, M. Cohn-Haft, and M. A. Rêgo. 2013. A new species of antbird in the *Hypocnemis cantator* complex from the Aripuanã-Machado interfluvium in central Amazonian Brazil. Pp. 282–285 in: del Hoyo, J., A. Elliott, J. Sargatal, and D. A. Christie (eds.). 2013. **Handbook of the Birds of the World. Special Volume: New Species and Global Index**. Lynx Edicions, Barcelona.
- (9) Whitney, B. M., M. Cohn-Haft, **G. A. Bravo**, F. Schunck, and L. F. Silveira. 2013. A new species of *Herpsilochmus* antwren from the Aripuanã-Machado interfluvium in central Amazonian Brazil. Pp. 277–281 in: del Hoyo, J., A. Elliott, J. Sargatal, and D. A. Christie (eds.). 2013. **Handbook of the Birds of the World. Special Volume: New Species and Global Index**. Lynx Edicions, Barcelona.
- (8) Cohn-Haft, M. and **G. A. Bravo**. 2013. A new species of *Herpsilochmus* antwren from west of the Rio Madeira in Amazonian Brazil. Pp. 272–276 in: del Hoyo, J., A. Elliott, J. Sargatal, and D. A. Christie (eds.). 2013. **Handbook of the Birds of the World. Special Volume: New Species and Global Index**. Lynx Edicions, Barcelona.
- (7) Whitney, B. M., M. L. Isler, **G. A. Bravo**, N. Aristizábal, F. Schunck, L. F. Silveira, and V. de Q. Piacentini. 2013. A new species of *Epinecrophylla* antwren from the Aripuanã-Machado interfluvium in central Amazonian Brazil with revision of the “stipple-throated antwren” complex. Pp. 263–267 in: del Hoyo, J., A. Elliott, J. Sargatal, and D. A. Christie (eds.). 2013. **Handbook of the Birds of the World. Special Volume: New Species and Global Index**. Lynx Edicions, Barcelona.
- (6) Belmonte-Lopes, R., **G. A. Bravo**, M. R. Bornschein, G. N. Maurício, M. R. Pie, and R. T. Brumfield. 2012. Genetic and morphological data support the placement of *Myrmotherula gularis* (Spix) in the monotypic genus *Rhopias* Cabanis and Heine (Aves: Passeriformes: Thamnophilidae). **Zootaxa** 3451: 1–16.
- (5) Isler, M. L., A. M. Cuervo, **G. A. Bravo**, and R. T. Brumfield. 2012. An integrative approach to species level systematics reveals the depth of diversification in an Andean thamnophilid, the Long-tailed Antbird. **Condor** 114:571-583.
- (4) **Bravo, G. A.**, J. V. Remsen, Jr., B. M. Whitney, and R. T. Brumfield. 2012. DNA sequence data reveal a subfamily-level divergence within Thamnophilidae (Aves: Passeriformes). **Molecular Phylogenetics and Evolution** 65: 287–293.
- (3) **Bravo, G. A.**, R. T. Chesser, and R. T. Brumfield. 2012. *Isleria*, a new genus of antwren (Aves: Passeriformes: Thamnophilidae). **Zootaxa** 3195: 61–67.
- (2) Gibbons, R. E., J. Barrio, **G. A. Bravo**, and L. Alza. 2011. Assessing the geographic range of Black-fronted Ground-Tyrants (*Muscisaxicola frontalis*) using extralimital and winter range occurrence records and ecological niche modeling. **Journal of Field Ornithology** 82:355–365.
- (1) Gómez, J. P., **G. A. Bravo**, R. T. Brumfield, J. G. Tello, and C. D. Cadena. 2010. A phylogenetic approach to disentangling the role of competition and habitat filtering in community assembly of Neotropical forest birds. **Journal of Animal Ecology** 79:1181–1192.

BOOK CHAPTERS

- (5) Cortés-Herrera, J. O. and **Bravo, G. A.** 2014. *Grallaria kaestneri*, Tororoi de Cundinamarca, Cundinamarca Antpitta. In: Luis Miguel Renjifo; María Fernanda Gómez; Jorge Velásquez-Tibatá; Angel María Amaya-Villarreal; Gustavo H. Kattan; Juan David Amaya-Espinel; Jorge Burbano-Girón. (Org.). **Libro Rojo de Aves de Colombia (Vol. I). Bosques húmedos de los Andes y la costa Pacífica**. 1ed. Bogotá: Pontificia Universidad Javeriana, v. 1, p. 215-217.
- (4) Naranjo L. G. and **Bravo G. A.** 2006. Estado del conocimiento sobre aves acuáticas en Colombia. En: Chaves M. E. and Santamaría M. (eds.) 2006. **Informe Nacional sobre los avances en conocimiento e información de biodiversidad 1998 – 2004**. Instituto de Investigación de Recursos Biológicos Alexander von Humboldt, Ministerio de Ambiente, Vivienda y Desarrollo Territorial. Bogotá, Colombia.
- (3) Bravo G. A. and Naranjo L. G. 2006. Estado del conocimiento sobre aves terrestres en Colombia. En: Chaves M. E. and Santamaría M. (eds.) 2006. **Informe Nacional sobre los avances en conocimiento e información de biodiversidad 1998 – 2004**. Instituto de Investigación de Recursos Biológicos Alexander von Humboldt, Ministerio de Ambiente, Vivienda y Desarrollo Territorial. Bogotá, Colombia.
- (2) Franco, A. M. and **G. A. Bravo**. 2005. Áreas Importantes para la Conservación de las Aves en Colombia Pp. 117-282 In BirdLife International and Conservation International. **Áreas Importantes para la Conservación de las Aves de los Andes Tropicales: sitios prioritarios para la conservación de la biodiversidad**. Quito, Ecuador: BirdLife Internacional (Serie de Conservación de BirdLife No. 14).
- (1) **Bravo G. A.** 2004. Ecología alimentaria de la comunidad de aves ictiófagas durante la época seca en la confluencia Meta-Orinoco, Puerto Carreño, Colombia. En: **Fauna acuática de la Orinoquia Colombiana**. Trujillo, F. and Díazgranados, M. C. (Eds.) Fundación Omacha. Instituto Alexander von Humboldt. Pontificia Universidad Javeriana. Bogotá, Colombia.

NON-REFEREED PUBLICATIONS

- (2) Piacentini, V. Q., A. Aleixo, C. E. Agne, G. N. Maurício, J. F. Pacheco, **G. A. Bravo**, G. R. R. Brito, L. N. Naka, F. Olmos, S. R. Posso, L. F. Silveira, G. S. Betini, E. Carrano, I. Franz, A. Lees, L. Lima, D. Pioli, F. Schunck, F. R. do Amaral, G. A. Bencke, M. Cohn-Haft, L. F. A. Figueiredo, F. Straube and E. Cesari. 2015. Annotated checklist of the birds of Brazil by the Brazilian Ornithological Records Committee / Lista comentada das aves do Brasil pelo Comitê Brasileiro de Registros Ornitológicos. **Revista Brasileira de Ornitologia** 23(2): 91–298.
- (1) Claramunt, S., A. M. Cuervo, V. de Q. Piacentini, **G. A. Bravo**, and J. V. Remsen, Jr. 2014. Comment on *Grallaria fenwickorum* Barrera and Bartels, 2010 (Aves, Grallariidae): proposed replacement of an indeterminate holotype by a neotype (Case 3623; see BZN 70: 99–102, 256–269). **Bulletin of Zoological Nomenclature** 71(1): 40-43.

FUNDING AND FELLOWSHIPS

NSF Dimensions US-BIOTA-São Paulo.

2018 – present

National Science Foundation (NSF) – São Paulo Research Foundation (FAPESP). Grant DEB-1831560. Edwards, Solferini (PIs), Burbrink, Carstens, de Faria, de Morães, Digiampetri, Amaral, Xie, Zamudio (Co-PIs), **Bravo** (Collaborator) “*Traits as predictors of adaptive diversification along the Brazilian Dry Diagonal*” (US\$4,000,000).

Putnam Expedition Grant.

2017 – present

Harvard University, Museum of Comparative Zoology. “*Genomic basis of phenotypic divergence associated to environmental conditions in the Thamnophilidae*” (US\$5,475).

SSB Travel and Support Award.

2017

Society for Systematic Biology (SSB). “*Convergent evolution of antbird plumage in dry habitats.*” (US\$500).

CNPq Universal Project (Brazil).

2016 – present

National Council of Technological and Scientific Development (CNPq). Grant 432630/2016-3. Naka (PI); Bravo , Raposo do Amaral, Cabanne, Edwards, Guedes, Pil, Araújo, Tubaro, Claramunt (Co-PIs) <i>“Distribution, origin, and diversification of the Caatinga endemic avifauna.”</i> (R\$60,000 [US\$17,760 on December 10, 2017]).	
FACEPE Research Grant (Brazil).	2015 – present
Pernambuco Research Foundation (FACEPE). Grant APQ-0337-2.04/15. Naka (PI); Bravo , Raposo do Amaral, Cabanne, Fernandes, de Souza (Co-PIs). <i>“Distribution, origin, and diversification of the Caatinga endemic avifauna”</i> (R\$71,600 [US\$22,145 on July 10, 2015]).	
CNPq Universal Project (Brazil).	2014 – present
National Council of Technological and Scientific Development (CNPq). Grant 457974/2014-1. Silveira (PI); Bravo (Co-PI) <i>“Origin, evolution, and biogeography of the birds in the Pernambuco center of endemism”</i> (R\$120,000 [US\$48,940 on Oct 1, 2014]).	
AOU Post-doctoral Travel Award.	2014
American Ornithologists’ Union (AOU). <i>“Adaptive processes drive ecomorphological convergent evolution in antwrens (Thamnophilidae)”</i> (US\$1,200).	
FAPESP Postdoctoral Fellowship (Brazil).	2013 – 2016
São Paulo Research Foundation (FAPESP). Grant 2012/23852-0. Bravo (PI); Silveira (Co-PI) <i>“Systematics, biogeography, and phenotypic evolution of the Thamnophilini (Aves, Thamnophilidae): a massive parallel DNA sequencing approach”</i> . (R\$244,332.60 [US\$121,000 on Apr 1, 2013]).	
NOS Travel and Support Award.	2011
Neotropical Ornithological Society (NOS) <i>“Testing the role of environmental heterogeneity in driving diversification of the antbirds (Thamnophilidae)”</i> (US\$550).	
NSF Travel and Support Award.	2010
National Science Foundation (NSF). R Methods in Macroevolution Workshop. (US\$750).	
NSF Doctoral Dissertation Improvement Grant (DDIG).	2010 – 2013
National Science Foundation (NSF). Grant DEB-1011435. Brumfield (PI); Bravo (Co-PI). <i>“Phenotypic and niche evolution in the antbirds (Aves, Thamnophilidae)”</i> (US\$15,000).	
NIMBioS Travel and Support Award.	2010
National Institute for Mathematical and Biological Synthesis (NIMBioS). <i>“HPC for Phylogenetics tutorial – Fast, free phylogenies.”</i> (US\$335).	
LSUMNS Big Day Fund.	2010
Louisiana State University Museum of Natural Science. (US\$1,000).	
AOU Research Award.	2009
American Ornithologists’ Union. <i>“Phylogenetic analysis of phenotypic divergence in the antbirds (Thamnophilidae)”</i> (US\$1,500).	
AOU Travel Award.	2009
American Ornithologists’ Union. <i>“Phylogenetic analysis of phenotypic divergence in the antbirds (Thamnophilidae)”</i> (US\$300).	
Frank Chapman Memorial Fund Award.	2009
American Museum of Natural History. <i>“Phylogenetic analysis of phenotypic divergence in the antbirds (Thamnophilidae)”</i> (US\$1,764).	
Exploration Fund Grant.	2008
The Explorer’s Club. <i>“Phenotypic and niche evolution in the antbirds (Thamnophilidae)”</i> (US\$1,364).	
LSUMNS Big Day Fund.	2007
Louisiana State University Museum of Natural Science. (US\$1,200).	
LSU Biograds Fund.	2007
Louisiana State University Department of Biological Sciences. (\$300).	

LSUMNS Big Day Fund.

2006

Louisiana State University Museum of Natural Science. (US\$2,000).

HONORS AND AWARDS

Doctor of Science (*honoris causa*)

2018

Universidad Científica del Perú (UCP)

Extraordinary Professor

2018 – present

Universidad Científica del Perú (UCP)

Best Student Presentation Award.

2009

American Ornithologists' Union (AOU).

*"Phylogenetic analysis of phenotypic divergence in the antbirds (Thamnophilidae)."***Best Student Presentation Award.**

2010

Colombian Ornithological Society (ACO) *"Ecología alimentaria de la comunidad de aves piscívoras durante la época seca en la confluencia Meta-Orinoco."***INVITED PRESENTATIONS AT PROFESSIONAL MEETINGS**

Bravo, G. A. 2018. Una perspectiva genómica sobre la diversificación de los suboscinos neotropicales. XI Congreso Peruano de Ornitología. Iquitos, Peru. **Keynote speaker.**

Bravo, G. A. 2014. What do next-generation sequencing data tell us about phylogenies? The suboscines as a study case. XXI Congresso Brasileiro de Ornitologia. Rio de Janeiro RJ, Brazil.

Bravo, G. A. 2014. What do phylogenies tell us about biodiversity? The Neotropical suboscines as a study case. The Royal Society, São Paulo Research Foundation, Brazilian Academy of Sciences. UK– Brazil– Chile Frontiers of Science. Buckinghamshire, UK.

INVITED PRESENTATIONS AT ACADEMIC INSTITUTIONS

University of Vermont – EEB Seminars. 2019 (scheduled). A genomic perspective on the diversification of Neotropical suboscines. Burlington, VT.

Museu Paraense Emílio Goeldi and Universidade Federal do Pará. 2014. Do adaptive processes drive phenotypic diversification in the antbird (Aves, Thamnophilidae)?

Universidade Federal do Estado de São Paulo (UNIFESP). 2014. Do adaptive processes drive phenotypic diversification in the antbird (Aves, Thamnophilidae)?

Universidade de São Paulo. 2014. Do adaptive processes drive phenotypic diversification in the antbird (Aves, Thamnophilidae)?

Occidental College. 2012. Evolution in one of the New World's most diverse bird families: the antbirds.

SYMPOSIA ORGANIZED AT PROFESSIONAL MEETINGS

X Neotropical Ornithological Congress and XXII Congresso Brasileiro de Ornitologia. 2015. Impacts and applications of next-generation sequencing techniques in Neotropical ornithology. Manaus AM, Brazil.

XXI Congresso Brasileiro de Ornitologia. 2014. Systematics and biogeography of Neotropical suboscines. Rio de Janeiro RJ, Brazil.

CONTRIBUTED FIRST-AUTHOR PRESENTATIONS AT PROFESSIONAL MEETINGS

- Bravo, G. A.**, Marcondes, R., Brumfield, R. T. and Edwards, S. V. 2017. Convergent Evolution of antbird plumage in dry habitats. Society of Systematic Biologists (SSB) Standalone Meeting. Baton Rouge, LA.
- Bravo, G. A.**, Harvey, M. G., Derryberry, G., Cuervo, A. M. Claramunt, S. Chesser, R. T., Sheldon, F. H., Aleixo, A., Silveira, L. F., Cracraft, J., Brumfield, R. T., and Derryberry, E. P. 2017. A comprehensive species-level phylogeny of the suboscine passerines using genome-scale data. Ornithological Congress of the Americas. Sociedade Brasileira de Ornitologia (SBO), Aves Argentinas, and Association of Field Ornithologists (AFO). Iguazú, Argentina.
- Bravo, G. A.**, Cuervo, A. M., Harvey, M. G., Derryberry, G. E. Oliveros, C., Settlekowski, A., Battilana, J., Claramunt, S., Shearer, J., Smith, B. T., Sheldon, F. H., Chesser, R. T., Moyle, R. G., Aleixo, A., Cracraft, J., Silveira, L. F., Brumfield, R. T. and Derryberry, E. P. 2015. A phylogenomic perspective on the Suboscine passerine radiation: the Thamnophilidae as a study case. X Neotropical Ornithological Congress and XXII Congresso Brasileiro de Ornitologia. Manaus AM, Brazil.
- Bravo, G. A.**, Cuervo, A. M., Harvey, M. G., Derryberry, G. E. Oliveros, C., Settlekowski, A., Battilana, J., Claramunt, S., Shearer, J., Smith, B. T., Sheldon, F. H., Chesser, R. T., Moyle, R. G., Aleixo, A., Cracraft, J., Silveira, L. F., Brumfield, R. T. and Derryberry, E. P. 2015. A phylogenomic perspective on the suboscine passerine radiation: the Thamnophilidae as a study case. Joint annual meeting of the Society for the Study of Evolution (SSE), the Society of Systematic Biologists (SSB), and the American Society of Naturalists (ASN). Guarujá SP, Brazil.
- Bravo, G. A.**, Belmonte-Lopes, R, Bornschein, M. R., Reinert, B. L., Pie, M. R., Isler, M. L., and R. T. Brumfield. Diversification and biogeography of the antbirds (Thamnophilidae). 2014. XXI Congresso Brasileiro de Ornitologia. Rio de Janeiro, Brasil.
- Bravo, G. A.**, Remsen, J. V. Jr. and R. T. Brumfield. 2014. Adaptive processes drive ecomorphological convergent evolution in antwrens (Thamnophilidae). American Ornithologists' Union/ Cooper Ornithological Society/ Société des Ornithologistes du Canada Meeting. Estes Park, CO.
- Bravo G. A.**, Isler, M. L. and R. T. Brumfield. 2011. Testing the role of environmental heterogeneity in driving diversification of the antbirds (Thamnophilidae). Neotropical Ornithological Society. Cusco, Peru.
- Bravo G. A.**, Isler, M. L. and R. T. Brumfield. 2011. Testing the role of geography and environmental heterogeneity in driving diversification of the antbirds (Thamnophilidae). American Ornithologists' Union. Jacksonville, FL. USA.
- Bravo G. A.** and R. T. Brumfield. 2010. Análisis filogenético de la evolución fenotípica de los hormigueros (Aves: Thamnophilidae). III Congreso Colombiano de Zoología and III Congreso de Ornitología Colombiana. Medellín, Colombia.
- Bravo G. A.** and R. T. Brumfield. 2010. Phylogenetic analysis of phenotypic divergence in the antbirds (Aves: Thamnophilidae). Joint annual meeting of the Society for the Study of Evolution (SSE), the Society of Systematic Biologists (SSB), and the American Society of Naturalists (ASN). Portland, OR. USA.
- Bravo G. A.** 2009. Phylogenetic analysis of phenotypic divergence in the antbirds (Thamnophilidae). American Ornithologists' Union. Philadelphia, PA. USA. **Best Student Presentation Award.**
- Bravo G. A.** 2008. Ecological and phylogenetic effects in the phenotypic evolution of the antbirds (Thamnophilidae). American Ornithologists' Union/ Cooper Ornithological Society/ Société des Ornithologistes du Canada Meeting. Portland, OR. USA.
- Bravo G. A.** 2004. Ecología alimentaria de la comunidad de aves piscívoras durante la época seca en la confluencia Meta-Orinoco. I Colombian Ornithology Congress, Santa Marta, Colombia. **Best Student Presentation Award.**
- Bravo G. A.** and A. M. Franco. 2004. Identifying Important Bird Areas in Colombia: a participative and research process. Fourth Important Bird Areas Conference, Tucson AZ.
- Bravo, G. A.** 2003. Foraging ecology of piscivorous birds during dry season in the confluence of the Meta and Orinoco rivers, Colombia. 27th Waterbird Society Meeting, Cuiabá, Mato Grosso, Brazil.

ADDITIONAL TRAINING AND EDUCATION

R Methods in Macroevolution Workshop.	2011
National Science Foundation (NSF), Santa Barbara, CA. USA.	
HPC for Phylogenetics Tutorial – Fast, free phylogenies.	2010
National Institute for Mathematical and Biological Synthesis (NIMBioS). Knoxville, TN. USA.	
Species Distribution Modeling and Applications.	2006
Stony Brook University–Universidad Nacional de Colombia, Bogotá, Colombia.	
Bioacoustics and Electric Signals in Fish.	2005
Instituto Alexander von Humboldt. Villa de Leyva, Colombia.	
Management of Biological Invasions.	2004
Instituto Alexander von Humboldt. Bogotá, Colombia	
Introduction to Geographic Information Systems and Applications to Natural Resources.	2002
Universidad Nacional de Colombia, Bogotá, Colombia.	

STUDENT SUPERVISION AND MENTORING

DOCTORAL STUDENTS (5)

Andrés Rojas (2018 – present; Universidade de São Paulo)
Gabriel Macedo (2017 – present; Universidade Federal do ABC).
Sergio Bolívar (2015 – present; Universidade de São Paulo).
Fernando Bocalini (2015 – present; Universidade de São Paulo).
Ariane Gouvêa (2014 – 2018; Universidade de São Paulo).

MASTERS STUDENTS (3)

Renata Beco (2016 – 2018; Universidade de São Paulo).
Diego Alejandro Cueva (2015 – 2017; Universidade de São Paulo).
Cristiane Apolinário (2015 – 2017; Universidade de São Paulo).

UNDERGRADUATE STUDENTS (5)

Johnathan Clark (2018 – present; Harvard University).
Eamon Corbett (2016 – 2017; Harvard University).
Renata Beco (2014 – 2016; Universidade de São Paulo).
Kevin Fontana (2014 – 2015; Universidade Estadual de São Paulo).
Jacob Saucier (2010; Louisiana State University).

PARTICIPATION IN GRADUATE EXAMINATION COMMITTEES (2014 – PRESENT)

Ph.D. Defenses: 5 (Universidade de São Paulo, Museu Paraense Emílio Goeldi)
Ph.D. Qualifications: 5 (Universidade de São Paulo)
M.Sc. Defenses: 1 (Universidade Federal do Estado de São Paulo)
M.Sc. Qualifications: 2 (Universidade Federal do Estado de São Paulo, Instituto Nacional de Pesquisas Amazônicas)
M.Sc. Committee: 1 (Universidad de Antioquia)

PROFESSIONAL SERVICE

AD HOC EDITORIAL SERVICE

2017 – present. Revista Ornitología Colombiana. Associate Editor – Systematics and Evolution.

AD HOC PROFESSIONAL COMMITTEES

2015 – present. Brazilian Ornithological Records Committee (CBRO). Member of the Taxonomy Group.

AD HOC GRANT REVIEWER SERVICES

2018 – present. Society of Systematic Biologists. Mini-ARTS Awards.

AD HOC REVIEWER FOR REFEREED JOURNALS

Systematic Biology, Evolution, Ecology Letters, Journal of Biogeography, Biological Journal of the Linnean Society, G3 Genes- Genomes-Genetics, Evolutionary Ecology, Auk, Wilson Journal of Ornithology, Journal of Field Ornithology, Austral Ecology, Journal of Natural History, Zoologia, Bulletin of the British Ornithologists' Club, Ornitología Neotropical, Revista Brasileira de Ornitología, Ornitología Colombiana, Actualidades Biológicas, Boletín SAO, Acta Biológica Colombiana, Check List.

PROFESSIONAL SOCIETIES MEMBERSHIP

American Association for the Advancement of Science; Society for the Study of Evolution; Society of Systematic Biologists; American Ornithological Society; Asociación Colombiana de Ornitología (founding member).

PROFESSIONAL REFERENCES

Dr. Scott. V. Edwards

Alexander Agassiz Professor of Organismic and Evolutionary Biology
Curator of Ornithology, Museum of Comparative Zoology
Harvard University
26 Oxford St, Cambridge, MA 02138
Phone: 617-384-8082
Fax: 617-495-5667
sedwards@fas.harvard.edu

Dr. Robb T. Brumfield

Director and Roy Paul Daniels Professor of Biology
Louisiana State University Museum of Natural Science
119 Foster Hall, Baton Rouge, LA 70803
Phone: 225-578-3081
Fax: 225-578-3075
robb@lsu.edu

Dr. J. V. Remsen, Jr.

Curator of Birds
McIlhenny Distinguished Professor of Natural Science, and Adjunct Professor of Biological Sciences
Louisiana State University Museum of Natural Science
119 Foster Hall, Baton Rouge LA, 70803
Phone: 225-578-2855
Fax: 225-578-3075
najames@lsu.edu

Dr. Luís Fábio Silveira

Professor and Curator of Birds
Museu de Zoologia da Universidade de São Paulo
Avenida Nazaré 481, Ipiranga, São Paulo, SP 04263-000, Brazil
Phone: +55 (11) 2065 8148
lfsilvei@usp.br