
ROBB THOMAS BRUMFIELD
CURRICULUM VITAE
[version 23 February 2015]

Director, Museum of Natural Science, and
Roy Paul Daniels Professor, Department of Biological Sciences
Louisiana State University
Baton Rouge, LA 70803
email: robb@lsu.edu, tel: 225-202-8892, fax: 225-578-3075
web: www.museum.lsu.edu/brumfield.html
twitter: @RTBrumfield

EDUCATION

University of Maryland, College Park	Ph.D. Zoology	1999
Illinois State University, Normal	M.S. Biological Sciences	1993
Louisiana State University, Baton Rouge	B.S. Zoology	1990

RESEARCH & ACADEMIC APPOINTMENTS

August 2013 – present:

Director, Museum of Natural Science, Louisiana State University
Roy Paul Daniels Professor of Biological Sciences, Louisiana State University

August 2012 – August 2013:

Program Director and Cluster Leader in Systematics and Biodiversity Science, Division of
Environmental Biology, National Science Foundation (NSF Visiting Scientist, Engineer, and
Educator program (VSEE); one-year leave of absence from LSU)

January 2009 – 2012:

Curator of Genetic Resources, Museum of Natural Science, Louisiana State University
Associate Professor, Department of Biological Sciences, Louisiana State University

January 2003 – 2008:

Curator of Genetic Resources, Museum of Natural Science, Louisiana State University
Assistant Professor, Department of Biological Sciences, Louisiana State University

January 2000 – 2002:

NSF Postdoctoral Fellow, Department of Zoology, University of Washington

RESEARCH (50% OF JOB RESPONSIBILITIES)

Refereed Publications:

[†]students

- (90) Zhang, G., et al. 2014. Comparative genomics across modern bird species reveal insights into avian genome evolution and adaptation. *Science* 346: 1311-1320.
- (89) Jarvis, E. D., et al. 2014. Whole genome analyses resolve the early branches in the tree of life of modern birds. *Science* 346:1320-1331.
- (88) 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.
- (87) Smith, B. T., J. E. McCormack, A. M. Cuervo[†], M. J. Hickerson, A. Aleixo, C. D. Cadena, J. Pérez-Emán, C. W. Burney, X. Xie, M. G. Harvey[†], B. C. Faircloth, T. C. Glenn, E. P. Derryberry, J. Prejean, S. Fields, and R. T. Brumfield. 2014. The drivers of tropical speciation. *Nature* 515:406-409.
- (86) Cerame, B., J. A. Cox, R. T. Brumfield, J. W. Tucker, and S. S. Taylor. 2014. Adaptation to ephemeral habitat may overcome natural barriers and severe habitat fragmentation in a fire-dependent species, the Bachman's Sparrow (*Peucaea aestivalis*). *PLoS One*. 9: e105782. doi:10.1371/journal.pone.0105782
- (85) Bravo[†], G. A., J. V. Remsen, Jr., and R. T. Brumfield. 2014. Adaptive processes drive convergent evolution of body size in antwrens (Thamnophilidae). *Evolution* 68:2757-74.

- (84) Valderrama, E., J. L. Pérez-Emán, R. T. Brumfield, A. M. Cuervo[†], and C. D. Cadena. 2014. The influence of the complex topography and dynamic history of the montane Neotropics on the evolutionary differentiation of a cloud forest bird (*Premnoplex brunnescens*, Furnariidae). *Journal of Biogeography* 41:1533-1546.
- (83) 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.
- (82) Hird[†], S. M., B. C. Carstens, S. W. Cardiff, D. L. Dittmann, and R. T. Brumfield. 2014. Sampling locality is more detectable than taxonomy or ecology in the gut microbiota of the brood-parasitic Brown-headed Cowbird (*Molothrus ater*). *PeerJ* 2:e321.
- (81) Tobias, J. A., C. K. Cornwallis, E. P. Derryberry, S. Claramunt, R. T. Brumfield, and N. Seddon. 2014. Species coexistence and the dynamics of phenotypic evolution in adaptive radiation. *Nature* 506:359-363.
- (80) Derryberry, E. P., G. E. Derryberry, J. M. Maley[†], and R. T. Brumfield. 2014. HZAR: Hybrid zone analysis using an R software package. *Molecular Ecology Resources* 14:652-663.
- (79) Smith, B. T., M. G. Harvey[†], B. C. Faircloth, T. C. Glenn, and R. T. Brumfield. 2014. Target capture and massively parallel sequencing of ultraconserved elements (UCEs) for comparative studies at shallow evolutionary time scales. *Systematic Biology* 63:83-95.
- (78) Brackett, C. L., J. M. Maley[†], R. T. Brumfield, and S. B. McRae. 2013. Characterization of microsatellite loci for a threatened species, the King Rail, *Rallus elegans*, using a next-generation sequencing protocol. *Conservation Genetics Resources* 5:1189-1191.
- (77) 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.
- (76) Claramunt[†], S., E. P. Derryberry, C. D. Cadena, A. M. Cuervo[†], C. Sanín, and R. T. Brumfield. 2013. Phylogeny and classification of *Automolus* foliage-gleaners and allies (Furnariidae). *Condor* 115:375-385.
- (75) Maley[†], J. M., and R. T. Brumfield. 2013. Mitochondrial and next-generation sequence data used to infer phylogenetic relationships and species limits in the Clapper/King Rail complex. *Condor* 115:316-329.
- (74) Parchman, T. L., Z. Gompert, M. J. Braun, R. T. Brumfield, D. B. McDonald, J. A. C. Uy, E. D. Jarvis, B. A. Schlinger, and C. A. Buerkle. 2013. The genomic consequences of adaptive divergence and reproductive isolation between species of manakins. *Molecular Ecology* 22:3304-3317.
- (73) McCormack, J. E., M. G. Harvey[†], B. C. Faircloth, N. G. Crawford, T. C. Glenn, and R. T. Brumfield. 2013. A phylogeny of birds based on over 1,500 loci collected by target enrichment and high-throughput sequencing. *PLoS One* 8:e54848.
- (72) Rheindt, F. E., Cuervo[†], A. M., and R. T. Brumfield. 2013. Rampant polyphyly indicates cryptic diversity in a clade of Neotropical flycatchers (Aves: Tyrannidae). *Biological Journal of the Linnean Society* 108:889-900.
- (71) d'Horta, F. M., A. M. Cuervo[†], C. C. Ribas, R. T. Brumfield, C. Y. Miyaki. 2013. Phylogeny and comparative phylogeography of *Sclerurus* (Aves: Furnariidae) reveals constant and cryptic diversification in an old radiation of rainforest understory specialists. *Journal of Biogeography* 40:37-49.
- (70) McCormack, J. E., S. M. Hird[†], A. J. Zellmer, B. C. Carstens, and R. T. Brumfield. 2013 Applications of next-generation sequencing to phylogeography and phylogenetics. *Molecular Phylogenetics and Evolution* 66:526-538.
- (69) Tobias, J. A., J. D. Brawn, R. T. Brumfield, E. P. Derryberry, A. N. G. Kirschel, and N. Seddon. 2012. The importance of neotropical suboscine birds as study systems in ecology and evolution. *Ornitologia Neotropical* 23:259-272.
- (68) Belmonte-Lopes, Ricardo, G. A. Bravo[†], M. R. Bornschein, G. N. Maurício, M. R. Pie, and R. T. Brumfield. 2012. Genetic and morphological data support placement of *Myrmotherula gularis* (Spix) in the monotypic genus *Rhopias* Cabanis and Heine (Aves: Passeriformes: Thamnophilidae). *Molecular Phylogenetics and Evolution* 3451:1-16.

- (67) Bravo[†], G. A., J. V. Remsen, Jr., B. M. Whitney, and R. T. Brumfield. 2012. DNA sequence data reveal a subfamily-level divergence within the Thamnophilidae (Aves: Passeriformes). *Molecular Phylogenetics and Evolution* 65:287-293.
- (66) Brumfield, R. T. 2012. Inferring the origins of lowland Neotropical birds. *Auk* 129:367-376.
- (65) Crawford, N. G., B. C. Faircloth, J. E. McCormack, R. T. Brumfield, K. Winker, and T. C. Glenn. 2012. More than 1000 ultraconserved elements provide evidence that turtles are the sister group of archosaurs. *Biology Letters* 783-786.
- (64) 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.
- (63) Gutiérrez-Pinto, N., A. M. Cuervo[†], J. Miranda, J. L. Pérez-Emán, R. T. Brumfield and C. D. Cadena. 2012. Non-monophyly and deep genetic differentiation across low-elevation barriers in a Neotropical montane bird (*Basileuterus tristriatus*; Aves: Parulidae). *Molecular Phylogenetics and Evolution* 64:156-165.
- (62) Claramunt[†], S., E. P. Derryberry, J. V. Remsen, Jr., and R. T. Brumfield. 2012. High dispersal ability inhibits speciation in a continental radiation of passerine birds. *Proc. Roy. Soc. London Series B* 279:1567-1574.
- (61) Claramunt[†], S., E. P. Derryberry, R. T. Brumfield, and J. V. Remsen, Jr. 2012. Ecological opportunity and diversification in a continental radiation of birds: Climbing adaptations and cladogenesis in the Furnariidae. *American Naturalist* 179:649-666.
- (60) Derryberry, E. P., N. Seddon, S. Claramunt[†], J. A. Tobias, A. Baker, A. Aleixo, and R. T. Brumfield. 2012. Correlated evolution of beak morphology and song in the Neotropical woodcreeper radiation. *Evolution* 67:2784-2797.
- (59) Naka, L. N., C. L. Bechtoldt, L. M. P. Henriques, and R. T. Brumfield. 2012. The role of physical barriers in the location of avian suture zones in the Guiana Shield, northern Amazonia. *American Naturalist*. doi: 10.1086/664627
- (58) Faircloth, B. C., J. E. McCormack, N. G. Crawford, M. G. Harvey[†], R. T. Brumfield, and T. C. Glenn. 2012. Ultraconserved elements anchor thousands of genetic markers spanning multiple evolutionary timescales. *Systematic Biology* 61:717-726.
- (57) Bravo[†], G. A., R. T. Chesser, and R. T. Brumfield. 2012. *Isleria*, a new genus of antwren (Aves: Passeriformes: Thamnophilidae). *Zootaxa*.
- (56) McCormack, J. E., J. M. Maley[†], S. M. Hird[†], E. P. Derryberry, G. R. Graves, and R. T. Brumfield. 2012. Next-generation sequencing reveals phylogeographic structure and a species tree for recent bird divergences. *Molecular Phylogenetics and Evolution* 62:397-406.
- (55) Cheviron[†], Z. A., and R. T. Brumfield. 2012. Genomic insights into adaptation to high-altitude environments. *Journal of Heredity* 108:354-361.
- (54) McCormack, J. E., B. C. Faircloth, N. G. Crawford, P. A. Gowaty, R. T. Brumfield, and T. C. Glenn. 2012. Ultraconserved elements are novel phylogenomic markers that resolve placental mammal phylogeny when combined with species tree analysis. *Genome Research* 22:746-754.
- (53) Derryberry, E. P., S. Claramunt[†], G. Derryberry, R. T. Chesser, J. Cracraft, A. Aleixo, J. Pérez-Emán, J. V. Remsen, Jr., and R. T. Brumfield. 2011. Lineage diversification and morphological evolution in a large-scale continental radiation: the Neotropical ovenbirds and woodcreepers (Aves: Furnariidae). *Evolution* 65:2973-2986.
- (52) Cheviron[†], Z. A., M. D. Carling[†], and R. T. Brumfield. 2011. Effects of postmortem interval and preservation method on RNA isolated from field-preserved avian tissues. *Condor* 113:483-489.
- (51) Hird[†], S. M., R. T. Brumfield, and B. C. Carstens. 2011. PRGmatic: an efficient pipeline for collating genome-enriched second generation sequencing data using a 'provisional-reference genome. *Molecular Ecology Resources* 11:743-748.
- (50) Brumfield, R. T. 2010. Speciation genetics of biological invasions with hybridization. *Molecular Ecology* 19:5079-5083.
- (49) Tobias, J. A., J. Aben, E. P. Derryberry, R. T. Brumfield, W. Halfwerk, H. Slabbekoorn, and N. Seddon. 2010. Song divergence by sensory drive in Amazonian birds. *Evolution* 64:2820-2839.

- (48) 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.
- (47) Pérez-Emán, J. L., L. L. Hernández, and R. T. Brumfield. 2010. Phylogenetic relationships of the White-throated Barbtail, *Premnoplex tatei* (Furnariidae), an endemic of the northeastern mountain range of Venezuela. *Condor* 112:561-570.
- (46) Carling[†], M. D., I. L. Lovette, and R. T. Brumfield. 2010. Historical divergence and gene flow: coalescent analyses of mitochondrial, autosomal and sex-linked loci in *Passerina* buntings. *Evolution* 64:1762-1772.
- (45) Mackay, A. J., W. L. Kramer, J. K. Meece, R. T. Brumfield, and L. D. Foil. 2010. Host feeding patterns of *Culex* mosquitos (Diptera: Culicidae) in East Baton Rouge Parish. *Journal of Medical Entomology* 47:238-248.
- (44) Derryberry, E., S. Claramunt[†], K. E. O'Quin[†], A. Aleixo, R. T. Chesser, J. V. Remsen, Jr., and R. T. Brumfield. 2010. *Pseudasthenes*, a new genus of ovenbird (Aves: Passeriformes: Furnariidae). *Zootaxa* 2416:61-68.
- (43) Derryberry, E., S. Claramunt[†], R. T. Chesser, A. Aleixo, J. Cracraft, R. G. Moyle, and R. T. Brumfield. 2010. *Certhiasomus*, a new genus of woodcreeper (Aves: Passeriformes: Dendrocolaptidae). *Zootaxa* 2416:44-50.
- (42) Claramunt[†], S., E. P. Derryberry, R. T. Chesser, A. Aleixo, and R. T. Brumfield. 2010. Polyphyly of *Campylorhamphus* with the description of a new genus for *C. pucherani*. *Auk* 127:430-439.
- (41) Yuri, T., R. W. Jernigan, R. T. Brumfield, N. K. Bhagabati, and M. J. Braun. 2009. The effect of marker choice on estimated levels of introgression across an avian (Pipridae: *Manacus*) hybrid zone. *Molecular Ecology* 18:4888-4903.
- (40) Chesser, R. T., S. Claramunt[†], E. Derryberry, and R. T. Brumfield. 2009. *Geocerthia*, a new genus of terrestrial ovenbird (Aves: Passeriformes: Furnariidae). *Zootaxa* 2213:64-68.
- (39) Burney[†], C. W., and R. T. Brumfield. 2009. Ecology predicts levels of genetic differentiation in Neotropical birds. *American Naturalist* 174:358-368.
- (38) Moyle, R. G., R. T. Chesser, R. T. Brumfield, J. G. Tello, D. J. Marchese, and J. Cracraft. 2009. Phylogeny and phylogenetic classification of the antbirds, ovenbirds, woodcreepers, and allies (Aves: Passeriformes: Infraorder Furnariides). *Cladistics* 25:1-20.
- (37) Cheviron[†], Z. A., and R. T. Brumfield. 2009. Migration-selection balance and local adaptation of mitochondrial haplotypes in Rufous-collared Sparrows (*Zonotrichia capensis*) along an elevational gradient. *Evolution* 63:1593-1605.
- (36) Carling[†], M. D., and R. T. Brumfield. 2009. Speciation in *Passerina* buntings: introgression patterns of sex-linked loci identify a candidate gene region for reproductive isolation. *Molecular Ecology* 18:834-847.
- (35) Lance, S. L., C. Hagen, T. C. Glenn, R. T. Brumfield, K. Faust Stryjewski[†], and G. R. Graves. 2009. Fifteen polymorphic microsatellite loci from Jamaican streamertail hummingbirds (*Trochilus*). *Conservation Genetics* 10:1195-1198.
- (34) Cheviron[†], Z. A., A. Whitehead, and R. T. Brumfield. 2008. Transcriptomic variation and plasticity in Rufous-collared Sparrows (*Zonotrichia capensis*) along an altitudinal gradient. *Molecular Ecology* 17:4556-4569. Faculty of 1000 recommendation.
- (33) Carling[†], M. D., and R. T. Brumfield. 2008. Haldane's Rule in an avian system: using cline theory and divergence population genetics to test for differential introgression of mitochondrial, autosomal, and sex-linked loci across the *Passerina* bunting hybrid zone. *Evolution* 62:2600-2615.
- (32) Brumfield, R. T., L. Liu, D. E. Lum, and S. V. Edwards. 2008. Comparison of species tree methods for reconstructing the phylogeny of bearded manakins (Aves: Pipridae: *Manacus*) from multilocus sequence data. *Systematic Biology* 57:719-731.
- (31) Liu, L., D. K. Pearl, R. T. Brumfield, and S. V. Edwards. 2008. Estimating species trees using multiple-allele DNA sequence data. *Evolution* 62:2080-2091. Top 5 downloaded *Evolution* articles of 2008.
- (30) Bates, J. M., C. D. Cadena, J. G. Tello, and R. T. Brumfield. 2008. Diversification in the Neotropics: Phylogenetic patterns and historical processes. *Ornitologia Neotropical* 19:427-432.

- (29) Carling[†], M. D., and R. T. Brumfield. 2008. Integrating phylogenetic and population genetic analyses of multiple loci to test species divergence hypotheses in Passerina buntings. *Genetics* 178:363-377.
- (28) Peterson, A. T., R. T. Brumfield, R. G. Moyle, A. S. Nyári, J. V. Remsen Jr., and M. B. Robbins. 2007. The need for proper vouchering in phylogenetic studies of birds. *Molecular Phylogenetics and Evolution* 45:1042-1044.
- (27) Brumfield, R. T., and O. Maillard Z. 2007. Birds of the central Río Paracti valley, a humid montane forest in departamento Cochabamba, Bolivia. *Ornitología Neotropical* 18:321-337.
- (26) Chesser, R. T., F. K. Barker, and R. T. Brumfield. 2007. Four-fold polyphyly of the genus formerly known as *Upucerthia*, with notes on the systematics and evolution of the avian subfamily Furnariinae. *Molecular Phylogenetics and Evolution* 44:1320-1332.
- (25) Chesser, R. T., and R. T. Brumfield. 2007. *Tarphonomus*, a new genus of ovenbird (Aves: Passeriformes: Furnariidae) from South America. *Proceedings of the Biological Society of Washington* 120:337-339.
- (24) Brumfield, R. T., J. G. Tello, Z. A. Cheviron[†], M. D. Carling[†], N. Crochet, and K. V. Rosenberg. 2007. Phylogenetic conservatism and antiquity of a tropical specialization: army-ant-following in the typical antbirds (Thamnophilidae). *Molecular Phylogenetics and Evolution* 14:1-13.
- (23) Brumfield, R. T., and S. V. Edwards. 2007. Evolution into and out of the Andes: a Bayesian analysis of historical diversification in *Thamnophilus* antshrikes. *Evolution* 61:346-367.
- (22) Carling[†], M. D., and R. T. Brumfield. 2007. Gene sampling strategies for multi-locus population estimates of genetic diversity (θ). *PLoS ONE* 2:e160.
- (21) Isler, M. I., D. R. Lacerda, P. R. Isler, S. J. Hackett, K. V. Rosenberg, and R. T. Brumfield. 2006. *Epinecrophylla*, a new genus of antwrens (Aves: Passeriformes: Thamnophilidae). *Proceedings of the Biological Society of Washington* 119:522-527.
- (20) Cheviron[†], Z. A., S. J. Hackett, and R. T. Brumfield. 2006. Sequence variation in the coding region of the melanocortin-1 receptor gene (MC1R) is not associated with plumage variation in the Blue-crowned Manakin (*Lepidothrix coronata*). *Proceedings of the Royal Society of London Series B* 273:1613-1618.
- (19) Berg, K., R. T. Brumfield, and V. Apanius. 2006. Phylogenetic and ecological determinants of the neotropical dawn chorus. *Proceedings of the Royal Society of London Series B* 273:999-1005. Faculty of 1000 recommendation.
- (18) Edwards, S. V., S. Birks, R. T. Brumfield, and R. Hanner. 2005. The future of avian genetic resources collections: archives of evolutionary and environmental history. *Auk* 122:14-19.
- (17) Brumfield, R. T. 2005. Mitochondrial variation in Bolivian populations of the Variable Antshrike (*Thamnophilus caerulescens*). *Auk* 122:414-432.
- (16) Isler, M. L., P. R. Isler, and R. T. Brumfield. 2005. Clinal variation in vocalizations of an antbird (Thamnophilidae) and implications for defining species limits. *Auk* 122:433-444.
- (15) Sheldon, F. H., J. V. Remsen, and R. T. Brumfield. 2005. Letter concerning Academy of Natural Science Job Cuts. *Science* 307:1560.
- (14) Whitney, B. M., D. C. Oren, and R. T. Brumfield. 2004. A new species of *Thamnophilus* antshrike (Aves: Thamnophilidae) from the Serra do Divisor, Acre, Brazil. *Auk* 121:1031-1039.
- (13) Witt[†], C. C., and R. T. Brumfield. 2004. Comment on "Are rates of speciation and molecular evolution correlated?" *Science* 303:173.
- (12) Brumfield, R. T., O. Maillard Z., R. C. Faucett, G. Sánchez, V. G. Rohwer, J. C. Catari, C. G. Schmitt, D. C. Schmitt, R. Strem, and A. M. Mamani. 2004. Birds of the Laguna Kaucaya area, a semi-humid valley in the Andean foothills of departamento Santa Cruz, Bolivia. *Ornitología Neotropical* 15:381-398.
- (11) Brumfield, R. T., P. Beerli, D. A. Nickerson, and S. V. Edwards. 2003. The utility of single nucleotide polymorphisms in inferences of population history. *Trends in Ecology and Evolution* 18:249-256.
- (10) Weicker, J., R. T. Brumfield, and K. Winker. 2001. Estimating the unbiased estimator q for population genetic survey data. *Evolution* 55:2601-2605.
- (9) Brumfield, R. T., R. W. Jernigan, D. B. McDonald, and M. J. Braun. 2001. Evolutionary implications of divergent clines in an avian (*Manacus*; Aves) hybrid zone. *Evolution* 55:2070-2087.

- (8) McDonald, D. B., M. J. Braun, R. T. Brumfield, and R. P. Clay. 2001. Sexual selection on plumage and behavior in an avian hybrid zone: experimental tests of male-male interactions. *Evolution* 55:1443-1451.
- (7) Brumfield, R. T., and M. J. Braun. 2001. Phylogenetic relationships in bearded manakins (Pipridae; *Manacus*) indicate that male plumage color is a misleading taxonomic marker. *Condor* 103:248-258.
- (6) Remsen, J. V., Jr., and R. T. Brumfield. 1998. Two new subspecies of *Cinnycerthia fulva* (Aves: Troglodytidae) from the southern Andes. *Proceedings of the Biological Society of Washington* 111:1008-1015.
- (5) Braun, M. J., and R. T. Brumfield. 1998. Enigmatic phylogeny of skuas: An alternative hypothesis. *Proceedings of the Royal Society of London B* 265:995-999.
- (4) Brumfield, R. T., D. L. Swofford, and M. J. Braun. 1997. Evolutionary relationships among the potoos (Nyctibiidae) based on isozymes. *Ornithological Monographs* 48:129-145.
- (3) Brumfield, R. T., and A. P. Capparella. 1996. Historical diversification of birds in northwestern South America: A molecular perspective on the role of vicariant events. *Evolution* 50:1607-1624.
- (2) Brumfield, R. T., and A. P. Capparella. 1996. Genetic differentiation and taxonomy in the *Troglodytes aedon* (House Wren) species group. *Condor* 98:547-556.
- (1) Brumfield, R. T., and J. V. Remsen, Jr. 1996. Geographic variation and species limits in *Cinnycerthia* wrens of the Andes. *Wilson Bulletin* 108:205-227.

Book Chapters:

Brumfield, R. T., and M. D. Carling. 2010. The influence of hybrid zones on species tree inference in manakins. Pp. 115-128 in *Estimating species trees: Practical and theoretical aspects* (L. L. Knowles and L. S. Kubatko, eds.). Wiley-Blackwell.

Book Reviews:

Brumfield, R. T. 2005. Review: The speciation and biogeography of birds. *Condor* 107:477-478.
 Brumfield, R. T. 2000. Book review: Molecular evolution: a phylogenetic approach. *American Zoologist* 40:707.

Grants & Fellowships (since 2000)

Proposals funded

(29)	National Science Foundation Research Assistantships for High School Students (RAHSS) supplement to DEB 1146265, Brumfield (PI), (2014 – 2016 w/ 1-yr NCE)	\$6,450
(29)	National Science Foundation Research Experience for Undergraduates (REU) supplement to DEB 1146265, Brumfield (PI), (2014 – 2016 w/ 1-yr NCE)	\$7,000
(28)	National Science Foundation IOS 1210556 Doctoral Dissertation Improvement Grant. Phylogenetic systematics, lineage diversification, and niche evolution in spinetails (Furnariidae, Aves). Brumfield (PI); Seeholzer (Co-PI), (2014 – 2017 w/ 1-yr NCE)	\$19,240
(27)	Coypu Foundation Research expedition to Brazil. Brumfield (PI); Remsen (Co-PI), (2012 – 2014)	\$85,000
(26)	National Science Foundation DEB 1146265 Systematics of a pantropical diversification: the suboscine passerines. Brumfield (PI), Aleixo (Sr. Scientist), Chesser (Sr. Scientist), Cracraft (Co-PI), Derryberry (Co-PI), Moyle (Co-PI), Sheldon (Co-PI) (2012 – 2016 w/ 1-yr NCE)	\$712,271 (\$363,179 to LSU)
(25)	National Science Foundation IOS 1210556 Doctoral Dissertation Improvement Grant. Phylogeographic discord in the comparative genomic history of Amazonian birds. Brumfield (PI); Harvey (Co-PI), (2012 – 2014 w/ 1-yr NCE)	\$15,000
(24)	Louisiana State University Faculty Travel Grant (2011)	\$1000

(23)	National Science Foundation IOS 1110624 Doctoral Dissertation Improvement Grant. Hybridization, selection, and adaptive divergence between two bird species distributed along an environmental gradient. Brumfield (PI); Maley (Co-PI), (2011 – 2013 w/ 1-yr NCE)	\$15,000
(22)	Coypu Foundation Research expeditions to Peru. Brumfield (PI); Remsen (Co-PI), (2010 – 2011)	\$45,000
(21)	National Science Foundation IOS 1011435 Doctoral Dissertation Improvement Grant. Phenotypic and niche evolution in the antbirds (Aves, Thamnophilidae). Brumfield (PI); Bravo (Co-PI), (2010 – 2013 w/ 2-yr NCE)	\$15,000
(20)	Louisiana EPSCoR NSF(2010)-PFUND-167 Behavioral mechanisms of speciation in a natural avian hybrid zone. Brumfield (PI), 2010	\$10,000
(19)	National Science Foundation Research Experience for Undergraduates (REU) supplement to DEB 0841729, Brumfield (PI), (2010 – 2013 w/ 1-yr NCE)	\$6,980
(18)	National Science Foundation DEB 0956069 EAGER: Developing bioinformatics tools for the application of next-generation sequencing technologies to phylogeography. Carstens (PI); Brumfield (Co-PI), (2009 - 2012 w/ 1-yr NCE)	\$225,394
(17)	National Science Foundation IOS 0910285 Doctoral Dissertation Improvement Grant. A large-scale, multilocus, coalescent-based analysis of ecological zonation and population differentiation in Andean birds. Brumfield (PI); Cuervo (Co-PI), (2009 – 2012 w/ 2-yr NCE)	\$15,000
(16)	National Science Foundation DEB 0841729, Comparative phylogeography of birds with cross-Andes distributions. Brumfield (PI). Division of Environmental Biology, Syst. Biology and Biodiversity Invent. (2009 – 2013 w/ 1-yr NCE)	\$750,000
(15)	Louisiana State University Faculty Research Grant (2008 - 2009)	\$10,000
(14)	National Science Foundation Research Experience for Undergraduates (REU) supplement to DEB 0543562, Brumfield (PI), (2008 – 2010 w/ 1-yr NCE)	\$6,094
(13)	National Science Foundation DEB 0808464 Doctoral Dissertation Improvement Grant Brumfield (PI); Carling (Co-PI), (2008 - 2009)	\$12,000
(12)	Coypu Foundation Research expeditions to Peru. Remsen (PI); Brumfield (Co-PI)	\$75,260
(11)	National Science Foundation Research Experience for Teachers (RET) supplement to DEB 0543562, Brumfield (PI), (2007 - 2008)	\$20,000
(10)	Louisiana State University Faculty Travel Grant (2007)	\$1000
(9)	National Science Foundation DEB 0543562, Systematics of a Neotropical diversification: the ovenbirds and woodcreepers (Furnariidae). Brumfield (PI), Remsen (Co-PI), and Aleixo (Co-PI). Division of Environmental Biology, Systematic Biology and Biodiversity Inventories (2006 - 2010 w/ 1-yr NCE)	\$401,000
(8)	Louisiana State University Junior Faculty Travel Grant (2006)	\$750
(7)	National Science Foundation DBI 0400797, An automated capillary sequencer for systematics, population genetics, genomics, and molecular ecology. Brumfield (PI), Austin (Co-PI), Hafner (Co-PI), and Sheldon (Co-PI). Division of Biological Infrastructure (2004 - 2006)	\$126,481
(6)	Louisiana State University Junior Faculty Travel Grant (2005)	\$750
(5)	Louisiana State University Faculty Research Grant (2005 - 2006)	\$10,000
(4)	Louisiana State University Faculty Research Grant (2004 - 2005)	\$10,000
(3)	University of Nevada at Las Vegas SITES Grant. Roberts (PI), Brumfield (Co-PI) (2004 - 2005)	\$4,500

- | | | |
|-----|--|-----------|
| (2) | National Science Foundation DEB 0332093, Research Starter Grant: Distribution of genetic variation in a recently derived and spreading trait. Brumfield (PI). Division of Environmental Biology (2003 - 2005) | \$50,000 |
| (1) | National Science Foundation DBI 9974235, Postdoctoral Research Fellowship in Biological Informatics (2000 - 2003) | \$150,000 |

Invited Presentations at Professional Meetings

Plenary address: Avian lineage diversification in the Neotropics: pattern and process. Neotropical Ornithology Congress, 2011.

Plenary address: Antbirds, ovenbirds, and the patterns and processes of biological diversification in South America. American Ornithologists' Union, 2011.

Symposium talk, NGS data in comparative phylogeography and hybrid zonology. Evolution, 2011.

Symposium talk, Comparative phylogeography of birds with cross-Andes distribution. Brazilian Zoological Congress, 2010.

Plenary, Evolutionary implications of specialized foraging strategies in Neotropical birds. Brazilian Ornithological Congress, 2005.

Contributed Presentations at Professional Meetings

Testing alternative models for the evolution of the climatic niche in a South American radiation, the Furnariidae, AOU 2013 (G. Seeholzer, presenter).

Information content of genomic ultraconserved elements for avian phylogenetics and phylogeography, AOU 2013 (M. G. Harvey, presenter).

Effect of dispersal abilities and climatic niche breadth on avian diversification rates, AOU 2013 (E. Tenorio, presenter).

Of songs and specimens: using vouchered behaviors to examine song evolution in avian radiations, AOU 2013 (E. P. Derryberry, presenter).

The deep history of tetrapods explored via target enrichment and high-throughput sequencing, Evolution 2013 (J. McCormack, presenter).

SNPs versus sequences for phylogeography – an exploration using simulations and massively parallel sequencing in a non-model bird, Evolution 2013 (M. Harvey, presenter).

Nature, nurture and the gut microbiota in the brood parasitic Brown-headed Cowbird, Evolution 2013 (S. Hird, presenter).

The phylogenetic signal and mode of climate-niche evolution in the Neotropical bird family Furnariidae, Evolution 2013 (poster, G. Seeholzer).

Speciation by dispersal through a structured tropical landscape, Evolution 2013 (B. T. Smith, presenter).

Comparative phylogeography of lowland Neotropical birds with cross-Andes distributions, NAOC 2012 (B. T. Smith, presenter).

Extreme geographic variation in body size as a mechanism of local adaptation: Bergmann's rule in the High Andes, NAOC 2012 (G. Seeholzer, presenter).

Next-generation phylogenomics of 416 loci provides further resolution to the avian tree of life, NAOC 2012 (J. McCormack, presenter).

Phylogeographic discord in the comparative genomics history of Neotropical birds, NAOC 2012 (M. Harvey, presenter).

Using morphological and genetic characters to infer selection against hybrid Clapper and King Rails, NAOC 2012 (J. Maley, presenter).

A phylogenetic approach to disentangling the role of competition and habitat filtering in a community assembly of Neotropical forest birds, NAOC 2012 (J. Gomez, presenter).

Hybridization in island birds: a case study of the Jamaican endemic streamertails, NAOC 2012 (C. Duffie, presenter).

Evolutionary assembly of the Andean avifauna: a comparative phylogeographic study of diversification and elevational distribution, NAOC 2012 (A. Cuervo*, presenter) *outstanding presentation award

Andean uplift, climate change and macroevolutionary patterns of diversification in the Furnariidae, NAOC 2012 (S. Claramunt, presenter).

The evolution of nesting in the ovenbirds, family Furnariidae, NAOC 2012 (R. T. Chesser, presenter).

Topographic complexity in the Andes shapes diversification patterns in the hummingbird genus *Metallura*,

NAOC 2012 (P. Benham, presenter).

Comparative phylogeography of Neotropical birds using massively parallel sequencing of ultraconserved elements (UCEs), Evolution 2012 (M. Harvey, presenter, poster).

Estimating divergence times for comparative phylogeography using ultraconserved elements (UCEs), Evolution 2012 (B. T. Smith, presenter, poster)

Sequence capture of 416 ultraconserved elements provides phylogenomic resolution to the bird tree of life, Evolution 2012 (J. McCormack, presenter).

What Earth history tells us about the diversification of a continental radiation of passerine birds, Evolution 2012 (S. Claramunt, presenter).

Using gut microbial fingerprints to explore ecology and evolution in Neotropical birds, Evolution 2012 (S. Hird, presenter).

Creating and using a provisional-reference genome from anonymous next-gen reads using PRGmatic, Evolution 2011 (S. Hird, presenter).

DNA regions flanking ultraconserved elements are novel phylogenetic markers that facilitate species-tree analysis of the mammal and bird tree of life, Evolution 2011 (J. McCormack, presenter).

Elevational zonation and multi-species divergence across barriers in neotropical montane birds, AOU 2011 (A. Cuervo, presenter).

Testing the role of geography and environmental heterogeneity in driving diversification of the antbirds (Thamnophilidae), AOU 2011 (G. Bravo, presenter).

Genomic analysis of the hybrid zone between King and Clapper Rails, AOU 2011 (J. Maley, presenter).

An efficient pipeline for the preparation of phylogeographic data collected via next-generation sequencing, Evolution 2010 (S. Hird, presenter, poster).

A simple and cost-effective application of 454 pyrosequencing to investigate four recent divergences in birds, Evolution 2010 (J. McCormack, presenter).

Coalescent-based comparative study of population divergence and elevational zonation in cloud forest Andean birds, Evolution 2010 (A. Cuervo, presenter).

Comparative phylogeographic inference from 64 taxon pairs of Neotropical birds using ABC, Evolution 2010 (S. Tsang, presenter).

Adaptations for trunk-climbing in the Neotropical ovenbird radiation (Furnariidae): the effect of a key innovation on diversification, Evolution 2010 (S. Claramunt, presenter).

Phylogenetic analysis of phenotypic divergence in the antbirds, Evolution, 2010 (G. A. Bravo, presenter).

The White-breasted Wood-Wren (*Henicorhina leucosticta*) shows high levels of phylogeographic structure throughout the Neotropics, AOU, 2010 (M. J. Lelevier, presenter).

Ecological speciation between King and Clapper Rails, AOU, 2010 (J. Maley*, presenter). *Outstanding presentation award

Environmental heterogeneity does not influence the structure of the hybrid zone between *Passerina cyanea* and *P. amoena*, AOU, 2010 (M. Carling, presenter).

Dispersal ability and diversification: flying capacity and speciation in a Neotropical radiation of passerine birds, Evolution, 2009 (S. Claramunt, presenter).

Historical divergence and gene flow: coalescent analyses of mitochondrial, autosomal and sex-linked loci in *Passerina* buntings, Evolution, 2009 (M. D. Carling, presenter).

Voice evolution in the morphologically diverse sub-family, Dendrocolaptinae, Evolution, 2009 (E. Derryberry, presenter).

Timing of population divergence in the three southeast Asian bird species, AOU, 2009 (D. Ward, presenter).

Adaptation to high-elevation in the Rufous-collared Sparrow (*Zonotrichia capensis*): metabolic gene expression along an extreme elevational gradient, AOU, 2009 (Z. A. Cheviron, presenter).

Historical divergence and gene flow: coalescent analyses of mitochondrial, autosomal and sex-linked loci in *Passerina* buntings, AOU, 2009 (M. D. Carling, presenter).

Phylogenetic analysis of phenotypic divergence in the antbirds, AOU, 2009 (G. A. Bravo*, presenter). *Outstanding presentation award

The role of the z-chromosome in the maintenance of reproductive isolation between *Passerina cyanea* and *P. amoena*, AOU, 2008 (M. Carling, presenter).

Altitudinal variation in gene expression in Rufous-collared Sparrows (*Zonotrichia capensis*), AOU, 2008 (Z. Cheviron, presenter).

Phenotypic and niche evolution in the antbirds (Thamnophilidae), AOU, 2008 (G. Bravo, presenter).

Toward a complete phylogeny of the Furnariidae, AOU, 2008 (R. T. Chesser, presenter).

Phylogeography of the White-breasted Wood-Wren (*Henicorhina leucosticta*), AOU, 2008 (M. Lelevier, presenter).

Testing introgression hypotheses of mtDNA, autosomal and z-linked loci across the *Passerina* hybrid zone, Evolution, 2008 (M. Carling, presenter).

Effects of an extreme altitudinal gradient on gene expression in the rufous-collared sparrow, *Zonotrichia capensis*, Evolution, 2008 (Z. Cheviron, presenter).

Comparative phylogeography of Neotropical birds: ecology predicts levels of genetic differentiation. Wilson Ornithological Society, 2008 (C. Burney, presenter). *Outstanding presentation award.

Environmental correlates of population genetic structure in *Zonotrichia capensis*: incongruent patterns of geographic variation between mitochondrial and nuclear markers, AOU, 2007 (Z. Cheviron, presenter). *Outstanding presentation award.

A multilocus approach to testing introgression hypotheses in *Passerina* buntings, AOU, 2007 (M. Carling, presenter). *Outstanding presentation award.

Diversification of lowland birds in northwestern South America: the role of the Andes as a barrier to gene flow. Congreso Ornitología Neotropical (NOC), Maturín, Venezuela, 2007.

Relaciones filogenéticas del Fafao Gargantiblanco *Premnoplex tatei* (Aves, Furnariidae). NOC 2007 (L. Hernandez, presenter).

Reconstructing the *Manacus* (Aves; Pipridae) species tree from five incompletely sorted nuclear genes. NAOC meetings, 2006.

Testing species divergence hypotheses in *Passerina* buntings: a case study in using a combined phylogenetic and population genetic approach with multiple loci. NAOC meetings, 2006. (M. Carling, presenter).

The role of elevational gradients in the population genetic structure of Rufous-collared Sparrows (*Zonotrichia capensis*). NAOC meetings, 2006. (Z. Cheviron, presenter).

Diversification of lowland Neotropical birds in northwestern South America. NAOC meetings, 2006. (C. Burney, presenter).

Genetic structure of a hybrid zone between Red-billed and Black-billed Streamertail hummingbirds in Jamaica. NAOC meetings, 2006. (K. Faust, presenter, poster).

Altitudinal variation of wing shape in the Andean passerine *Zonotrichia capensis*. AIBS, 2005. (M. L. Brewer, presenter).

Evolution of army-ant-following in the antbirds. Evolution meetings, 2004.

Phylogeographic analysis of MC1R variation and its association with plumage polymorphism in manakins (Aves: *Lepidothrix*). Evolution meetings, 2004. (Z. Cheviron, presenter).

A re-examination of the phylogenetic evidence for molecular punctuated equilibria. Evolution meetings, 2004 (C. Witt, presenter).

Gene-sampling strategies for multi-locus population studies: inferences from simulations. Evolution meetings, 2004 (M. Carling, presenter).

Population history of *Manacus* inferred from nuclear SNPs. Evolution meetings, 2003.

Unraveling variation in the Variable Antshrike. AOU meetings, New Orleans, 2002.

A phylogeny of *Manacus* manakins using intron sequences. Evolution meetings, 2001 (poster).

River effect on genetic differentiation in *Manacus*. AOU meetings, Ithaca, NY, 1999 (poster).

Genetic differentiation across a riverine barrier. Evolution meetings, Madison, WI 1999.

Non-coalescence of mitochondrial haplotypes within *Manacus* (Aves) species. Evolution meetings, Vancouver, Canada 1998.

mtDNA cannot be used to infer the *Manacus* species tree. North American Ornithological Conference, St. Louis, MO 1998.

Phylogenetics of *Manacus*. Evolution meetings, Boulder, CO 1997.

Sexual selection and phylogenetics in *Manacus*. Evolution meetings, St. Louis, MO 1996.

The effect of sexual selection on the introgression of male plumage traits across an avian contact zone. American Ornithologists' Union, Cincinnati, OH, 1995.

Avian biodiversity in northwestern South America. Evolution Meetings, Athens, Ga, 1994.

Avian biodiversity in northwestern South America. American Ornithologists' Union, Ames, Iowa, 1992.

Avian biodiversity in northwestern South America. IV Congreso Ornitología Neotropical, Quito, Ecuador, 1991.

Symposia Organized at Professional Meetings

Diversification in the Neotropics: speciation patterns and processes, Congreso Ornitologia Neotropical (NOC), Maturín, Venezuela, 2007.

Diversification in the Neotropics: phylogenetic patterns and historical processes, Congreso Ornitologia Neotropical (NOC), Maturín, Venezuela, 2007.

Invited University and Research Institution Seminars (*since 2000*)

Smithsonian Institution, 2015.

Louisiana State University, 2012.

American Museum of Natural History, 2012.

National Science Foundation, 2011.

American Museum of Natural History, 2011.

Mississippi State University, 2011.

George Washington University, 2009.

Louisiana State University, 2008.

University of Washington, 2008.

University of Louisiana at Lafayette, 2006.

University of Nevada at Las Vegas, 2006.

Syracuse University, 2006.

Savanna River Ecology Laboratory, 2005.

University of Memphis, 2004.

Louisiana State University, 2003.

Southeastern Louisiana University, 2003.

University of Idaho, 2001.

Louisiana State University, 2001.

Cornell Laboratory of Ornithology, 2000.

Cornell University, 2000.

CURATION: THE COLLECTION OF GENETIC RESOURCES (25% OF JOB RESPONSIBILITIES)

Collection growth: From the beginning of 2003 through 2011, the Collection of Genetic Resources (CGR) grew from 55,527 to 87,301 tissues (60,666 birds, 19,877 reptiles and amphibians, and 6,758 mammals).

Collection usage: From the beginning of 2003 through 2011, the CGR issued 710 loans totaling 15,182 tissues. Since 2003, at least 450 scientific papers, dissertations, and theses that analyzed tissue samples from the CGR have been published.

Collection improvement: I have two primary objectives: 1) improve the protection of the collection by moving the entire collection from ultracold freezers into liquid nitrogen (LN2) vapor freezers; 2) reorganize the collection from its current taxonomic order into a locator number system. By the end of 2013, 95% of the herp collection and 80% of the bird collection is housed in LN2 vapor freezers, with the rest of these two collections and the entire mammal collection in ultracold freezers. It is organized by a locator number system.

TEACHING (25% OF JOB RESPONSIBILITIES)**Courses Taught**

Course Title	Credit Hrs.	Semester ^{1,2}	Number students	Evaluation (Ques. 1-8) Evaluation (Ques. 9) Evaluation (Ques. 10)
Molecular Population Genetics	4	Fall 2014	16	pending
Principles of Genetics BIOL 2153	4	Fall 2013	110	3.76 / 3.63 ^{4, 5} 3.75 / 3.49 ^{4, 5} 3.75 / 3.49 ^{4, 5}
Principles of Genetics BIOL 2153	4	Fall 2011	113	3.88 / 3.60 ^{4, 5} 3.91 / 3.45 ^{4, 5} 3.87 / 3.42 ^{4, 5}
Analysis of NGS Data BIOL 7901	1	Fall 2011	22	NA
Principles of Genetics BIOL 2153	4	Fall 2010	118	3.82 / 3.60 ^{4, 5} 3.80 / 3.44 ^{4, 5} 3.74 / 3.42 ^{4, 5}
Curatorial Methods ² BIOL 7800	1	Fall 2010	9	not applicable
Hybrid Zones BIOL 7901	1	Fall 2010	14	not applicable
Molecular Evolution Seminar BIOL 7946	1	Fall 2010	15	not applicable
Evolutionary Genetics BIOL 7800	4	Fall 2009	16	3.92 / 3.77 ^{4, 5} 3.93 / 3.74 ^{4, 5} 4.00 / 3.75 ^{4, 5}
Principles of Genetics BIOL 2153	4	Fall 2008	109	3.81 / 3.48 ^{4, 5} 3.75 / 3.30 ^{4, 5} 3.66 / 3.25 ^{4, 5}
Principles of Genetics BIOL 2153	4	Fall 2007	120	3.86 / 3.47 ^{4, 5, 8} 3.81 / 3.26 ^{4, 5, 8} 3.75 / 3.21 ^{4, 5, 8}
Curatorial Methods ³ BIOL 7800	1	Spring 2007	12	not applicable
Tropical Biology BIOL 7901/4800	1	Fall 2006	24	not applicable
Principles of Genetics BIOL 2153	5	Fall 2006	168	3.89 / 3.55 ^{4, 5} 3.93 / 3.38 ^{4, 5} 3.89 / 3.36 ^{4, 5}
Evolutionary Genetics BIOL 7800	4	Fall 2005	13	9.86 / 8.876 ^{6, 7} 10.0 / 8.876 ^{6, 7} 10.0 / 8.438 ^{6, 7}
Curatorial Methods ³ BIOL 7800	1	Spring 2005	8	not applicable
Molecular Evolution Seminar BIOL 7946	1	Fall 2003	8	not applicable
Principles of Genetics BIOL 2153	4	Fall 2003	63	9.29 / 8.35 ^{4, 6} 9.38 / 6.71 ^{4, 6} 8.47 / 6.71 ^{4, 6}

¹ Released from teaching obligations during Fall 2004 as part of start-up package negotiations.² My teaching load (25%) is one major course per year. Curation (25%) is a 12-month assignment.

³ Curatorial Methods is a course that is team taught by all Museum Curators (managed by Dr. Remsen).

⁴ Average score, College of Science

⁵ In 2006, LSU changed its evaluation metric to a 4-point scale

⁶ Based on a 10-point scale

⁷ Average score, College of Basic Sciences (Graduate level)

⁸ Evaluations for sections 3 and 4 lost by department in charge of administering evaluations

Graduate Students Supervised at LSU

Graduated

John C. Mittermeier (MS, 2014). Current Position: PhD program, Oxford University.

Andrés M. Cuervo (PhD, 2013). Current Position: Postdoc, Tulane University

Gustavo A. Bravo (PhD, 2012; co-advised with Dr. Remsen). Current Position: Postdoc, Universidade Sao Paulo, Brazil.

Curtis W. Burney (PhD, 2009). Current Position: Assistant Professor, United States Air Force Academy.

Matthew D. Carling (PhD, 2008). Current Position: Tenure-track Assistant Professor/Assistant Curator at University of Wyoming and Berry Biodiversity Center.

Zachary A. Cheviron (PhD, 2008). Current Position: Tenure-track Assistant Professor at University of Illinois.

Santiago Claramunt (PhD, 2010; co-advised with Dr. Remsen). Current Position: Chapman Postdoctoral Fellow, American Museum of Natural History.

Sarah Hird (PhD, 2013; co-advised by Dr. Carstens). Current Position: Postdoctoral Fellow, UC Davis

James Maley (PhD, 2012). Current Position: Collections Manager, Moore Laboratory of Zoology, Occidental College.

Luciano N. Naka (PhD, 2010; co-advised with Dr. Remsen). Current Position: Assistant Professor, Universidade Federal de Pernambuco, Brazil.

Thomas Valqui (PhD, 2008; co-advised with Dr. Remsen). Current position: Director of CORBIDI, Lima, Peru.

Current graduate students

Glaucia del Rio (doctoral student; Spring 2015 – present) – Brazil Science without Borders

Caroline Duffie Judy (doctoral student; Fall 2010 – present) – Smithsonian Fellow

Michael G. Harvey (doctoral student; Spring 2010 – present)

Oscar Johnson (doctoral student; Fall 2014 – present)

Rafael S. Marcondes (doctoral student; Fall 2014 – present) – Brazil Science without Borders

Andre Moncrieff (doctoral student; Spring 2015 – present)

Marco Rego (doctoral student; Spring 2015 – present) – Brazil Science without Borders

Glenn S. Seeholzer (doctoral student; Spring 2010 – present)

Graduate Student Committees

Graduated, uncompleted, or moved to different university

Melissa DeBiasse (Ph.D. 2014, Dr. Hellberg, Advisor)

Alice Dennis (Ph.D. 2010, Dr. Hellberg, Advisor)

Ron Eytan (Ph.D. 2010, Dr. Hellberg, Advisor)

Jesús Fernandez (Ph.D. 2011, Dr. Hafner, Advisor)

Amber Gates (M.S. 2008, Dr. Hafner, Advisor)

Dency Gawin (Ph.D. 2014, Dr. Sheldon, Advisor)

Richard Gibbons (Ph.D. 2011, Dr. Remsen, Advisor)

Cheryl Haines (M.S. 2007, Dr. Sheldon, Advisor)

Alison Hamilton (Ph.D. 2008, Dr. Austin, Advisor)

Christopher J. Hayden (Ph.D. candidate, uncompleted)

Haw-Chuan Lim (Ph.D. 2010, Dr. Sheldon, Advisor)

Ben Marks (Ph.D. 2008, Dr. Sheldon, Advisor)

Verity Mathis (Ph.D. 2013, Dr. Hafner, Advisor)

Eve McCulloch (Ph.D. 2012, Dr. Stevens, Advisor)

Adam McLain (Ph.D. 2013, Dr. Batzer, Advisor)
John McVay (Ph.D. 2013, Dr. Carstens, Advisor)
Josh Meyer (Ph.D. 2010, Dr. Batzer, Advisor)
Nathan Jackson (Ph.D. 2010, Dr. Austin, Advisor)
Jamie Oaks (M.S. 2007, Dr. Austin, Advisor)
Brian O'Shea (Ph.D. 2009, Dr. Remsen, Advisor)
Jong-Seok Park (Ph.D. 2013, Dr. Carlton, Advisor)
Tara Pelletier (Ph.D. candidate, moved to OSU)
Carlos Prada (Ph.D. 2014, Dr. Hellberg, Advisor)
Maria Sagot (Ph.D. 2012, Dr. Stevens, Advisor)
Chris Witt (Ph.D. 2004, Dr. Sheldon, Advisor)

Current

Mark Duhon (Ph.D. candidate, Dr. Hellberg, Advisor)
Caleb McMahan (Ph.D. candidate, Dr. Chakrabarty, Advisor)
Genevieve Mount (Ph.D. candidate, Dr. Austin, Advisor)
Cathy Newman (Ph.D. candidate, Dr. Austin, Advisor)
Karine Posbic (Ph.D. candidate, Dr. Hellberg, Advisor)
Cesar Sanchez (Ph.D. candidate, Dr. Remsen, Advisor)
Ryan Terrill (Ph.D. candidate, Dr. Remsen, Advisor)

Graduate Student Committees (off-campus)

Brice Adams (Ph.D. candidate, uncompleted, University of Louisiana at Lafayette)
Pat O'Donnell (M.S. candidate, uncompleted, Illinois State University)
Emily Bennett (M.S. candidate, Illinois State University)

Postdoctoral Fellows Mentored at LSU

Elizabeth Derryberry. Current Position: Assistant Professor, Tulane University
John McCormack. Current Position: Assistant Professor, Occidental College.
Brian Tilston Smith: Current Position: Curator, American Museum of Natural History.
Jessica Oswald: started LSU Fall 2014

Undergraduate Student Mentorship

Samantha Baker, female undergraduate student, worked on undergraduate Honors Thesis in my lab Spring 2009 – Spring 2011. Samantha also pursued directed studies (BIOL 3999) in my lab. She is currently attending LSU Medical School.
Carly Berggreen, female undergraduate student, research credit, Fall 2014.
Dara Davenport, African-American female undergraduate student took one semester of Directed Studies in my lab (BIOL 3999, Spring 2007). She is attending LSU-Shreveport Medical School.
Kristin Davies, female undergraduate student took two semesters of Directed Studies (BIOL 3999, 2008-2009).
Abigail Delahoussaye, female undergraduate student, Spring 2011 – Fall 2011.
Samantha Fields, female undergraduate student, Spring 2011 – Fall 2011. Supported by NSF REU. Gave oral presentation at Neotropical Ornithology Congress in Cuzco Peru (November 2011).
Depaul Foxworth, African American undergraduate student, Summer 2014. Supported by NSF REU.
Kelsy Jones, female undergraduate student, began working in my lab in Spring 2010 as LSU Chancellor's Aid Student.
James Klarevas, undergraduate student, worked in my lab during the Fall 2009 semester.
Ryan Klutts, undergraduate student, Spring 2015 REU
Corey Menou, undergraduate student, working in my lab during the 2009 academic year.
Kelly O'Quinn, undergraduate research student (BIOL 3999, 2004 - 2005). Kelly is now in the doctoral program at the University of Maryland.
Jeremy Raber, undergraduate research student (BIOL 3999, 2005). Pursuing career in medicine.
Andrea Stacy, female undergraduate student, worked in my lab beginning Fall 2010 as part of the LSU Chancellor's Future Leaders in Research Program.
Katherine Stammen, female undergraduate student, worked in my lab for four semesters (2004 - 2005) as part of the LA-STEM scholarship program. Attended LSU-Shreveport Medical School.

Jacob Stover, research credit, Spring 2014.

Katie Faust Stryjewski, female undergraduate student, worked in my lab from Fall 2004 until her graduation in Spring 2008 as part of the LSU Chancellor's Future Leaders in Research Program. Katie received a prestigious Barry M. Goldwater Scholarship (2006), as well as a Tiger Athletic Foundation Grant for her Senior Honors Thesis, a Howard Hughes Medical Institute Research Continuation Grant, a Biological Sciences Undergraduate Research Award (2006), and a R. Greg Hussey College Achievement Award (2006). She participated in the Howard Hughes Medical Institute Summer Undergraduate Research Program (2005), the LSU Summer Undergraduate Research Forum (2005), and the Smithsonian National Museum of Natural History Research Training Program (2006). Katie presented her research at the 2006 NAOC meeting in Veracruz, Mexico, and at the LSU Biograds Symposium (2006). She spent two months doing fieldwork in Peru during the Summer 2007. Katie is attending a doctoral program at Boston University.

Danielle Ward, African-American female undergraduate student. Hired on REU grant to work on furnariid systematics (2008 - 2009). Completed her degree at end of Fall 2009 semester. Research technician in Dr. Klei's lab at the LSU Vet School.

High School Student Mentorship

Rosalind Remsen, Summer/Fall 2014, Spring 2015. Supported by NSF RAHSS grant.

SERVICE

Invited Member of Federal Grant Review Panel

2012	National Science Foundation, PIRE Panel
2010	National Science Foundation, Dimensions of Biodiversity Panel
2010	National Science Foundation, Postdoctoral Fellowships in Biological Informatics Panel, declined due to schedule conflict
2009	National Science Foundation, Systematic Biology Panel
2008	National Science Foundation, Advances in Biological Informatics Panel, declined due to schedule conflict
2007	National Science Foundation, Doctoral Dissertation Improvement Grants Panel, declined due to schedule conflict
2006	National Science Foundation, Systematic Biology Panel
2006	National Science Foundation, Doctoral Dissertation Improvement Grants Panel

Invited Member of Federal Workshops

2009	National Science Foundation, participated in workshop on future of Systematics at NESCENT in Durham, North Carolina
------	---

Ad Hoc Reviewer for Federal Granting Agencies

2012	National Science Foundation, PIRE
2011	National Science Foundation, International Research Fellowship
2010	National Science Foundation, International Research Fellowship; Systematic Biology
2009	National Science Foundation, Population and Evolutionary Processes Cluster; Assembling the Tree of Life; Evolutionary Genetics; Systematic Biology
2008	National Science Foundation, Population and Evolutionary Processes Cluster; Systematic Biology
2007	National Science Foundation, Population and Evolutionary Processes Cluster; Systematic Biology; Global Scientists and Engineers
2006	National Science Foundation, Global Scientists and Engineers; Behavioral Systems Cluster; Systematic Biology
2005	National Science Foundation, Population and Evolutionary Processes Cluster; International Research Fellowship Program; International Planning and Workshops
2004	National Science Foundation, Population and Evolutionary Processes Cluster
2004	National Science Foundation, Population and Evolutionary Processes Cluster
2001	National Science Foundation, Systematic Biology

Ad Hoc Reviewer for Awards, Promotions, and other Granting Agencies

2015	Tenure promotion letter (Tulane University)	
2014	Full promotion letter (Texas A&M)	
2013	Full promotion letter (Cornell University)	
2013	Tenure promotion letter (University of California, Berkeley)	
2008	Tenure promotion letter (University of New Orleans)	
2007	External review for University of New Orleans International Alumni Association's Early Career Achievement Award in Research or Creative Arts	
2005	External review for three-year promotion of Cornell University faculty member	

Service for Professional Societies

Associate Editor, <i>Evolution</i>	2013 to present
Associate Editor, <i>Systematic Biology</i>	2009 to present
Editorial Board Member, <i>Gene</i>	2010 to present
Member, American Ornithologists' Union Collections Committee	2005 to 2013
Associate Editor, <i>The Auk</i> (the preeminent ornithological journal)	2006 to 2009
Editorial Board Member, <i>Systematic Biology</i>	2006 to 2008
Reviewer: <i>Auk, Condor, Evolution, Genetics, Heredity, Journal of Avian Biology, Molecular Biology and Evolution, Molecular Ecology, Molecular Phylogenetics and Evolution, Ornithologia Neotropical, Proceedings of the National Academy of Sciences USA, Science, Systematic Biology, Transactions of the American Fisheries Society, Wilson Journal of Ornithology</i>	

University Service

Departmental

Search Committee, Computational Biologist	2013-2014
Search Committee, Systems Biologist	2012
Genomics Advisory Committee	2011 to present
Faculty Senate	2011 to 2012
Awards Committee	2010 to 2011
Search Committee Chair, Computational Biologist	2011
Systematics, Ecology, and Evolution (SEE) Representative	2008 to 2010
Search Committee, Ichthyologist	2007
Judge at Biograds Research Poster session	2006
Chair of search committee for Manager of Museum's molecular laboratory	2006
Developed new web page for LMNH and LSUMNS	2005
Developed an online Nest Record database	2005
Research presentation at 6 th Annual Graduate Student Symposium	2004
Chair of Museum computer committee	2004 to present
Direct the Museum molecular laboratory	2004 to present
Supervise the Manager of the Museum's Molecular Laboratory	2003 to present

College

Planning Committee	2014
Faculty Advisor for SPIN	2010
Spring Invitational Advising	2010
Chair, BIOL/CCT Computational Biologist Job Search	2010
College Admissions/Standards/Honors/Scholarships Committee	2009 to 2012
Dean's Representative on General Exams	2006-2010
Board Member, Louisiana Bird Resource Center	2005 to present

University

Life Sciences Research Development Group	2008 to 2012
--	--------------

Service to Community

Board Member, Baton Rouge Audubon Society	2006 to 2008
Banquet lecture for Orleans Audubon Society	2005
Tours of Museum's Molecular Lab and Collection of Genetic Resources	2003 to present

Saturday Science Lecture: "Why are there so many species of tropical birds?"

2009

Professional Societies

Society for the Study of Evolution

Society of Systematic Biologists

American Ornithologists' Union

Professional Honors

Fellow, American Ornithologists' Union

2011

Graduate Teaching Award, Tiger Athletic Foundation

2011

LSU Rainmaker

2009

Commendation for Excellence in Teaching from Dean of Basic Sciences

2006, 2007

Elective Member, American Ornithologists' Union

2006