

# Brant C. Faircloth, Ph.D.

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## Research interests

Population and evolutionary genomics of birds and other vertebrates; evolutionary genetics of gene regulatory regions; natural history

## Current appointments

2023- *Moreland Family Associate Professor*, Biological Sciences, LSU, Baton Rouge, LA  
2015- *Faculty Associate*, LSU Museum of Natural Science, Baton Rouge, LA

## Prior appointments

2020-2023 *Associate Professor*, Biological Sciences, LSU, Baton Rouge, LA  
2014-2020 *Assistant Professor*, Biological Sciences, LSU, Baton Rouge, LA  
2011-2014 *Assistant Research Scientist*, Ecology & Evolutionary Biology, UCLA, Los Angeles, CA  
2010-2011 *Post-doctoral Scholar*, Ecology & Evolutionary Biology, UCLA, Los Angeles  
**Mentor:** Stephen P. Hubbell  
2008-2010 *Post-doctoral Scholar*, Ecology & Evolutionary Biology, UCLA, Los Angeles  
**Mentor:** Patricia Adair Gowaty  
2000-2008 *Research Assistant*, Warnell School of Forestry & Natural Resources, University of Georgia  
**Major professor:** John P. Carroll

## Education

2000-2008 Doctor of Philosophy, University of Georgia  
1998-2000 Bachelor of Science in Forest Resources, University of Georgia, *Magna Cum Laude*  
1995-1997 Bachelor of Arts (candidate), Middlebury College

## Honors & awards

2020 LSU Alumni Association Rising Faculty Research Award (Louisiana State Univ.)  
2019 ISI Highly Cited Researcher (Top 1% citations, Cross-Field category)  
2018 ISI Highly Cited Researcher (Top 1% citations, Cross-Field category)  
2010 Robert C. Anderson Memorial Award for Excellence in Research (Univ. of Georgia)

- 2007 Stoddard-Burleigh-Sutton Award in Ornithology (Univ. of Georgia)  
 2006 Blue Key Honor Society (Univ. of Georgia)  
 2006 E. L. Cheatum Award (Forestry & Natural Resources)  
 2003 Archie E. Patterson Scholarship (Forestry & Natural Resources)  
 2000 Outstanding Senior in Forest Resources (Forestry & Natural Resources)  
 2000 Faculty Award (Forestry & Natural Resources)  
 2000 Outstanding Senior in Wildlife (Forestry & Natural Resources)  
 2000 *Xi Sigma Pi* inductee  
 1998-2000 Presidential Scholar (Univ. of Georgia)

## Publications

**119 total** | **25,598 citations** | **h-index: 57, i10-index: 98** | source: [Google Scholar](#) 27 Mar 2024

corresponding author<sup>†</sup>, equal authorship<sup>ea</sup> | *mentees*: post-doc<sup>P</sup>; graduate<sup>G</sup>; undergraduate<sup>U</sup>; visiting<sup>V</sup>

### *Peer-refereed manuscripts since arriving at LSU*

119. 2024 J Stiller, S Feng, A Chowdury, I Rivas-González, D Duchêne, Q Fang, Y Deng, A Kozlov, A Stamatakis, S Claramunt, JMT Nguyen, SYW Ho, **BC Faircloth**, J Haag, P Houde, J Cracraft, M Balaban, U Mai, G Chen, R Gao, C Zhou, Y Xie, Z Huang, Z Cao, Z Yan, HA Ogilvie, L Nakhleh, B Lindow, B Morel, J Fjeldsâ, P Hosner, RR da Fonseca, B Peterson, JA Tobias, T Székely, JD Kennedy, AH Reeve, A Liker, M Stervander, A Antunes, DT Tietze, M Bertelsen, F Lei, C Rahbek, GR Graves, MH Schierup, T Warnow, EL Braun, MTP Gilbert, ED Jarvis, S Mirarab, G Zhang. Complexity of avian evolution revealed by family-level genomes. **Nature**.  
 doi: [10.1038/s41586-024-07323-1](https://doi.org/10.1038/s41586-024-07323-1) | pmid: 38560995  
 role: performed research, contributed to paper
118. In Press RC Harrington, M Kolmann, JJ Day, **BC Faircloth**, M Friedman, TJ Near. Dispersal sweepstakes: Biotic interchange propelled air breathing fishes across the globe. **Journal of Biogeography**.  
 doi: [10.1111/jbi.14781](https://doi.org/10.1111/jbi.14781) | pmid: N/A  
 role: supervised research, performed research, contributed to paper
117. 2024 *EC Corbett*<sup>G</sup>, RT Brumfield, **BC Faircloth**. The mechanistic, genetic and evolutionary causes of bird eye colour variation. **Ibis** 160:560-589. [Ibis Best Early-career Researcher Paper 2023]  
 doi: [10.1111/ibi.13276](https://doi.org/10.1111/ibi.13276) | pmid: N/A  
 role: supervised research, funded research, performed research, wrote paper

116. 2024 *JF Salter*<sup>G†</sup>, RT Brumfield, **BC Faircloth**<sup>†</sup>. An island “endemic” born out of hybridization between introduced lineages. **Molecular Ecology** 33:e16990.  
**doi:** [10.1111/mec.16990](https://doi.org/10.1111/mec.16990) | **pmid:** [37208829](https://pubmed.ncbi.nlm.nih.gov/37208829/)  
**role:** supervised research, funded research, designed research, performed research, wrote paper
115. 2024 AE Moncrieff, **BC Faircloth**, RR Remsen, *AE Hiller*<sup>G</sup>, C Felix, AP Capparella, A Aleixo, T Valqui, RT Brumfield. Implications of headwater contact zones for the riverine barrier hypothesis: A case study of the Blue-capped Manakin (*Lepidothrix coronata*). **Evolution** 78:53-68.  
**doi:** [10.1093/evolut/qqad187](https://doi.org/10.1093/evolut/qqad187) | **pmid:** [37862587](https://pubmed.ncbi.nlm.nih.gov/37862587/)  
**role:** designed research, contributed to paper
114. 2023 JR Glass, RC Harrington, PF Cowman, **BC Faircloth**, TJ Near. Widespread sympatry in a species-rich clade of marine fishes (Carangoidea). **Proceedings of the Royal Society B** 290:20230657.  
**doi:** [10.1098/rspb.2023.0657](https://doi.org/10.1098/rspb.2023.0657) | **pmid:** [37909084](https://pubmed.ncbi.nlm.nih.gov/37909084/)  
**role:** performed research, contributed to paper
113. 2023 EW Getz, VC Lanclos, CY Kojima, C Cheng, MW Henson, ME Schön, TJG Ettema, **BC Faircloth**, JC Thrash. The AEGEAN-169 clade of bacterioplankton is synonymous with SAR11 subclade V (HIMB59) and metabolically distinct. **mSystems**8:e00179-23.  
**doi:** [10.1128/msystems.00179-23](https://doi.org/10.1128/msystems.00179-23) | **pmid:** [37199998](https://pubmed.ncbi.nlm.nih.gov/37199998/)  
**role:** performed research, contributed to paper
112. 2023 EC Elizondo, **BC Faircloth**, RT Brumfield, SB Shakya, VA Ellis, CJ Schmidt, AI Kovach, WG Shriver. A high quality de novo genome assembly for Clapper Rail (*Rallus crepitans*). **G3: Genes | Genomes | Genetics** 13:jkad097.  
**doi:** [10.1093/g3journal/jkad097](https://doi.org/10.1093/g3journal/jkad097) | **pmid:** [37130071](https://pubmed.ncbi.nlm.nih.gov/37130071/)  
**role:** designed research, performed research, wrote paper
111. 2023 WB Ludt, *EC Corbett*<sup>G</sup>, *J Kattawar III*<sup>G</sup>, P Chakrabarty, **BC Faircloth**<sup>†</sup>. A reference genome for Bluegill (Centrarchidae: *Lepomis macrochirus*). **G3: Genes | Genomes | Genetics** 13:jkad019.  
**doi:** [10.1093/g3journal/jkad019](https://doi.org/10.1093/g3journal/jkad019) | **pmid:** [36683458](https://pubmed.ncbi.nlm.nih.gov/36683458/)  
**role:** supervised research, funded research, designed research, performed research, wrote paper
110. 2023 VC Lanclos, AN Rasmussen, CY Kojima, C Cheng, MW Henson, **BC Faircloth**, CA Francis, C Thrash. Ecophysiology and genomics of the brackish water adapted SAR11 subclade IIIa. **ISME Journal** 17:620-629.  
**doi:** [10.1038/s41396-023-01376-2](https://doi.org/10.1038/s41396-023-01376-2) | **pmid:** [36739346](https://pubmed.ncbi.nlm.nih.gov/36739346/)  
**role:** performed research, edited paper

109. 2023 JMC Ribeiro, NJ Bayona-Vásquez, K Budachetri, D Kumar, JC Frederick, F Tahir, **BC Faircloth**, TC Glenn, S Karim. A draft of the genome of the Gulf Coast tick, *Amblyomma maculatum*. **Ticks and Tick-borne Diseases** 14:102090.  
  
doi: [10.1016/j.ttbdis.2022.102090](https://doi.org/10.1016/j.ttbdis.2022.102090) | pmid: 36446165  
role: performed research, contributed to paper
108. 2022 A Ghezelayagh, RC Harrington, ED Burrell, MA Campbell, J Buckner, P Chakrabarty, JR Glass, WT McCraney, PJ Unmack, CE Thacker, ME Alfaro, ST Friedman, WB Ludt, M Friedman, SA Price, A Dornburg, **BC Faircloth**, PE Wainwright, TJ Near. Prolonged morphological expansion of the spiny-rayed fishes following the end-Cretaceous. **Nature Ecology and Evolution** 6:1211-1220.  
  
doi: [10.1038/s41559-022-01801-3](https://doi.org/10.1038/s41559-022-01801-3) | pmid: 35835827  
role: funded research, designed research, performed research, contributed to paper
107. 2022 *JF Salter*<sup>G</sup>, PA Hosner, WL Tsai, JE McCormack, EL Braun, RT Kimball, RT Brumfield, **BC Faircloth**. Historical specimens and the limits of subspecies phylogenomics in the New World quails (Odonotophoridae). **Molecular Phylogenetics and Evolution** 175:107559.  
  
doi: [10.1016/j.ympev.2022.107559](https://doi.org/10.1016/j.ympev.2022.107559) | pmid: 35803448  
role: supervised research, funded research, designed research, performed research, wrote paper
106. 2022 AE Moncrieff, **BC Faircloth**, RT Brumfield. Systematics of *Lepidothrix* manakins (Aves: Passeriformes: Pipridae) using RADcap markers. **Molecular Phylogenetics and Evolution** 173:107525.  
  
doi: [10.1016/j.ympev.2022.107525](https://doi.org/10.1016/j.ympev.2022.107525) | pmid: 35577299  
role: supervised research, designed research, wrote paper
105. 2022 *N Buainain*<sup>V</sup>, M Ferreira, JE Avendaño, CD Cadena, **BC Faircloth**, RT Brumfield, J Cracraft, CC Ribas. Biogeography of a neotropical songbird radiation reveals similar diversification dynamics between montane and lowland clades. **Journal of Biogeography** 49:1260-1273.  
  
doi: [10.1111/jbi.14379](https://doi.org/10.1111/jbi.14379) | pmid: N/A  
role: funded research, contributed to paper
104. 2022 *BF Melo*<sup>V</sup>, BL Sidlauskas, TJ Near, FF Roxo, A Ghezelayagh, LE Ochoa, MLJ Stiassny, J Arroyave, J Chang, **BC Faircloth**, DJ MacGuigan, RC Harrington, RC Benine, *MD Burns*<sup>V</sup>, *K Hoekzema*<sup>V</sup>, NC Sanches, JA Maldonado-Ocampo, RMC Castro, F Foresti, ME Alfaro, C Oliveira. Accelerated diversification explains the exceptional species richness of tropical characoid fishes. **Systematic Biology** 71:78-92.  
  
doi: [10.1093/sysbio/syab040](https://doi.org/10.1093/sysbio/syab040) | pmid: 34097063  
role: supervised research, performed research
103. 2022 *G Del-Rio*<sup>G</sup>, MA Rego, BM Whitney, F Schunck, L Silveira, **BC Faircloth**, RT Brumfield. Displaced clines in an avian hybrid zone (Thamnophilidae: Rhegmatorhina) within an Amazonian interfluvium. **Evolution** 76:455-475.  
  
doi: [10.1111/evo.14377](https://doi.org/10.1111/evo.14377) | pmid: 34626500  
role: supervised research, funded research, designed research, performed research, wrote paper

102. 2021 *AE Hiller*<sup>G</sup>, RT Brumfield, **BC Faircloth**<sup>†</sup>. A reference genome for the nectar-robbing Black-throated Flowerpiercer (*Diglossa brunneiventris*). **G3: Genes | Genomes | Genetics**11: jkab271.  
**doi:** [10.1093/g3journal/jkab271](https://doi.org/10.1093/g3journal/jkab271) | **pmid:** [34849784](https://pubmed.ncbi.nlm.nih.gov/34849784/)  
**role:** corresponding author, supervised research, funded research, designed research, performed research, wrote paper
101. 2021 *JC Buckner*<sup>P</sup>, RC Sanders, **BC Faircloth**, P Chakrabarty. The critical importance of vouchers in genomics. **eLife** 10:e68264.  
**doi:** [10.7554/eLife.68264](https://doi.org/10.7554/eLife.68264) | **pmid:** [34061026](https://pubmed.ncbi.nlm.nih.gov/34061026/)  
**role:** wrote paper
100. 2021 *N Buainain*<sup>V</sup>, MFA Maximiano, M Ferreira, A Aleixo, **BC Faircloth**, RT Brumfield, J Cracraft, CC Ribas. Multiple species and deep genomic divergences despite little phenotypic differentiation in an ancient Neotropical songbird, *Tunchiornis ochraceiceps* (Sclater, 1860) (Aves: Vireonidae). **Molecular Phylogenetics and Evolution** 162:107206.  
**doi:** [10.1016/j.ympev.2021.107206](https://doi.org/10.1016/j.ympev.2021.107206) | **pmid:** [34015447](https://pubmed.ncbi.nlm.nih.gov/34015447/)  
**role:** funded research, contributed to paper
99. 2021 JT Burley, JR Kellner, SP Hubbell, **BC Faircloth**<sup>†</sup>. Genome assemblies for two neotropical trees: *Jacaranda copaia* and *Handroanthus guayacan* (Family: Bignoniaceae). **G3: Genes | Genomes | Genetics** 11:jkab010.  
**doi:** [10.1093/g3journal/jkab010](https://doi.org/10.1093/g3journal/jkab010) | **pmid:** [33693604](https://pubmed.ncbi.nlm.nih.gov/33693604/)  
**role:** corresponding author, supervised research, funded research, designed research, performed research, wrote paper
98. 2021 *J Stiller*<sup>V</sup>, RR da Fonseca, ME Alfaro, **BC Faircloth**, NG Wilson, GW Rouse. Using UCEs to track the influence of sea level change on leafy seadragon populations. **Molecular Ecology** 6:1364-1380. [Cover article]  
**doi:** [10.1111/mec.15744](https://doi.org/10.1111/mec.15744) | **pmid:** [33217068](https://pubmed.ncbi.nlm.nih.gov/33217068/)  
**role:** performed research, contributed to paper
97. 2020 MG Harvey, GA Bravo, S Claramunt, AM Cuervo, GE Derryberry, J Battilana, GF Seeholzer, JS McKay, BC O'Meara, **BC Faircloth**, SV Edwards, J Pérez-Emán, RG Moyle, FH Sheldon, A Aleixo, BT Smith, RT Chesser, LF Silveira, J Cracraft, RT Brumfield, EP Derryberry. The evolution of a tropical biodiversity hotspot. **Science** 370:1343-1348.  
**doi:** [10.1126/science.aaz6970](https://doi.org/10.1126/science.aaz6970) | **pmid:** [33303617](https://pubmed.ncbi.nlm.nih.gov/33303617/)  
**role:** designed research, performed research, contributed to paper
96. 2020 S Feng, J Stiller, Y Deng, J Armstrong, Q Fang, AH Reeve, D Xie, G Chen, C Guo, **BC Faircloth**, [116 others], *G Del-Rio*<sup>G</sup>, [13 others], B Paten, G Zhang. Dense sampling of bird diversity increases power of comparative genomics. **Nature** 587:252–257. [Cover article]  
**doi:** [10.1038/s41586-020-2873-9](https://doi.org/10.1038/s41586-020-2873-9) | **pmid:** [33177665](https://pubmed.ncbi.nlm.nih.gov/33177665/)  
**role:** performed research, contributed data, contributed to paper

95. 2020 JF McLaughlin, **BC Faircloth**, TC Glenn, K Winker. Divergence, gene flow, and the speciation continuum in eight lineages of trans-Beringian birds. **Molecular Ecology** 29:3256-3542.  
doi: [10.1111/mec.15574](https://doi.org/10.1111/mec.15574) | pmid: [32745340](https://pubmed.ncbi.nlm.nih.gov/32745340/)  
role: supervised research, funded research, designed research, performed research, wrote paper
94. 2020 *AM Quattrini*<sup>V</sup>, E. Rodríguez, **BC Faircloth**, PF Cowman, MR Brugler, GA Farfan, ME Hellberg, MV Kitahara, CL Morrison, DA Paz-García, JD Reimer, CS McFadden. Paleoclimate ocean conditions shaped the evolution of corals and their skeletal composition through deep time. **Nature Ecology and Evolution** 4:1531-1538.  
doi: [10.1038/s41559-020-01291-1](https://doi.org/10.1038/s41559-020-01291-1) | pmid: [32868916](https://pubmed.ncbi.nlm.nih.gov/32868916/)  
role: performed research, contributed to paper
93. 2020 **BC Faircloth**<sup>†</sup>, F Alda, K Hoekzma, MD Burns, C Oliveira, JS Albert, BF Melo, LE Ochoa, FF Roxo, P Chakrabarty, BL Sidlauskas, ME Alfaro. A target enrichment bait set for studying relationships among ostariophysan fishes. **Copeia** 108:47-60.  
doi: [10.1643/CG-18-139](https://doi.org/10.1643/CG-18-139) | pmid: N/A  
role: corresponding author, supervised research, funded research, designed research, performed research, wrote paper
92. 2020 *JF Salter*<sup>G</sup>, *CH Oliveros*<sup>P</sup>, PA Hosner, JD Manthey, MB Robbins, RG Moyle, RT Brumfield, **BC Faircloth**<sup>†</sup>. Extensive paraphyly in the typical owl family (Strigidae). **The Auk** 137:1-15. [Editor's Choice]  
doi: [10.1093/auk/ukz070](https://doi.org/10.1093/auk/ukz070) | pmid: N/A  
role: corresponding author, supervised research, funded research, designed research, performed research, wrote paper
91. 2019 *JF Salter*<sup>G</sup>, O Johnson, NJ Stafford, III, WF Herrin, Jr, D Schilling, C Cedotal, RT Brumfield, **BC Faircloth**<sup>†</sup>. A highly contiguous reference genome for Northern Bobwhite (*Colinus virginianus*). **G3: Genes | Genomes | Genetics** 9:3929-3932.  
doi: [10.1534/g3.119.400609](https://doi.org/10.1534/g3.119.400609) | pmid: [31611345](https://pubmed.ncbi.nlm.nih.gov/31611345/)  
role: corresponding author, supervised research, funded research, designed research, performed research, wrote paper
90. 2019 MR Pie, MR Bornschein, LF Ribiero, **BC Faircloth**, JE McCormack. Phylogenomic species delimitation in microendemic frogs of the Brazilian Atlantic Forest. **Molecular Phylogenetics and Evolution** 141:106627.  
doi: [10.1016/j.ympev.2019.106627](https://doi.org/10.1016/j.ympev.2019.106627) | pmid: [31539606](https://pubmed.ncbi.nlm.nih.gov/31539606/)  
role: performed research, edited paper
89. 2019 NJ Bayona-Vasquez, TC Glenn, TJ Kieran, TW Pierson, SL Hoffberg, PA Scott, KE Bentley, JW Finger Jr., PR Watson, S Louha, N Troendle, P Diaz-Jaimes, R Mauricio, **BC Faircloth**. Adapterama III: Quadruple-indexed, double/triple-enzyme RADseq libraries (2RAD/3RAD). **PeerJ** 7:e7724.  
doi: [10.7717/peerj.7724](https://doi.org/10.7717/peerj.7724) | pmid: [31616583](https://pubmed.ncbi.nlm.nih.gov/31616583/)  
role: supervised research, funded research, designed research, performed research, wrote paper

88. 2019 TC Glenn, TW Pierson, NJ Bayona-Vásquez, TJ Kieran, SL Hoffberg, JC Thomas IV, DE Lefever, JW Finger Jr., B Gao, X Bian, S Louha, RT Kolli, K Bentley, J Rushmore, K Wong, TI Shaw, MJ Rothrock Jr., AM McKee, TL Guo, R Mauricio, M Molina, BS Cummings, LH Lash, K Lu, GS Gilbert, SP Hubbell, **BC Faircloth**. Adapterama II: Universal amplicon sequencing on Illumina platforms (TaggiMatrix). **PeerJ** 7:e7786.  
doi: [10.7717/peerj.7786](https://doi.org/10.7717/peerj.7786) | pmid: 31616589  
role: supervised research, funded research, designed research, performed research, wrote paper
87. 2019 TC Glenn, RA Nilsen, TJ Kieran, JW Finger Jr., TW Pierson, KE Bentley, SL Hoffberg, S Louha, FJ García-De León, MA Del Rio Portilla, KD Reed, JL Anderson, JK Meece, SE Aggrey, R Rekaya, M Alabady, M Belanger, K Winker, **BC Faircloth**<sup>†</sup>. Adapterama I: Universal stubs and primers for 384 unique dual-indexed or 147,456 combinatorially-indexed Illumina libraries (iTru & iNext). **PeerJ** 7:e7755.  
doi: [10.7717/peerj.7755](https://doi.org/10.7717/peerj.7755) | pmid: 31616586  
role: corresponding author, supervised research, funded research, designed research, performed research, wrote paper
86. 2019 M Friedman, *R Harrington*<sup>P</sup>, HT Beckett, K Feilich, TJ Near, ME Alfaro, **BC Faircloth**, D Černý, M Miya. Ancient adaptive radiation in the open ocean: Rapid divergence in Pelagiaria (Acanthomorpha: Percomorpha) near the Cretaceous-Paleogene boundary. **Proceedings of the Royal Society B** 286:20191502.  
doi: [10.1098/rspb.2019.1502](https://doi.org/10.1098/rspb.2019.1502) | pmid: 31506051  
role: supervised research, funded research, designed research, performed research, wrote paper
85. 2019 NT Vinciguerra, WLE Tsai, **BC Faircloth**, JE McCormack. Comparison of ultraconserved elements (UCEs) to microsatellite markers for the study of avian hybrid zones: A test in *Aphelocoma* jays. **BMC Research Notes** 12:456.  
doi: [10.1186/s13104-019-4481-z](https://doi.org/10.1186/s13104-019-4481-z) | pmid: 31340859  
role: funded research, designed research, edited paper
84. 2019 RT Kimball, *CH Oliveros*<sup>P</sup>, N Wang, FK Barker, DJ Field, DT Ksepka, RT Chesser, RG Moyle, MJ Braun, MA Rego, RT Brumfield, **BC Faircloth**, BT Smith, EL Braun. A phylogenomic supertree of birds. **Diversity** 11:109.  
doi: [10.3390/d11070109](https://doi.org/10.3390/d11070109) | pmid: n/a  
role: funded research, wrote paper
83. 2019 *CH Oliveros*<sup>P†</sup>, DJ Field, DT Ksepka, FK Barker, A Aleixo, MJ Andersen, P Alström, BW Benz, EL Braun, MJ Braun, GA Bravo, RT Brumfield, RT Chesser, S Claramunt, J Cracraft, AM Cuervo, EP Derryberry, TC Glenn, MG Harvey, PA Hosner, L Joseph, R Kimball, AL Mack, CM Miskelly, AT Peterson, MB Robbins, FH Sheldon, LF Silveira, BT Smith, ND White, RG Moyle, **BC Faircloth**<sup>†</sup>. Earth history and the passerine superradiation. **Proceedings of the National Academy of Sciences U S A** 116:7916-7925. [Cover article]  
doi: [10.1073/pnas.1813206116](https://doi.org/10.1073/pnas.1813206116) | pmid: 30936315  
role: corresponding author, supervised research, funded research, designed research, performed research, wrote paper

82. 2019 K Winker, TC Glenn, J Withrow, SG Sealy, **BC Faircloth**. Speciation despite gene flow in two owls (*Aegolius* spp.): Evidence from 2,517 loci with ultraconserved elements (UCEs). **The Auk** 136:1-12.  
**doi:** [10.1093/auk/ukz012](https://doi.org/10.1093/auk/ukz012) | **pmid:** n/a  
**role:** funded research, designed research, performed research, wrote paper
81. 2019 *S Grove*<sup>V</sup>, NP Saarman, GS Gilbert, **BC Faircloth**, KA Haubensak, IM Parker. Ectomycorrhizas and tree seedling establishment are strongly influenced by forest edge proximity but not soil inoculum. **Ecological Applications** 29:e01867.  
**doi:** [10.1002/eap.1867](https://doi.org/10.1002/eap.1867) | **pmid:** 30710404  
**role:** performed research, supervised research
80. 2019 F Alda, V Tagliacollo, M Bernt, B Waltz, W Ludt, **BC Faircloth**, ME Alfaro, J Albert, P Chakrabarty. Resolving deep nodes in an ancient radiation of neotropical fishes in the presence of conflicting signals from incomplete lineage sorting. **Systematic Biology** 68:573-593.  
**doi:** [10.1093/sysbio/syy085](https://doi.org/10.1093/sysbio/syy085) | **pmid:** 30521024  
**role:** edited paper
79. 2019 TJ Kieran, ERL Gordon, M Forthman, R Hoey-Chamberlain, RT Kimball, **BC Faircloth**, C Weirauch, TC Glenn. Insight from an ultraconserved element bait set designed for hemipteran phylogenetics integrated with genomic resources. **Molecular Phylogenetics and Evolution** 130:297-303.  
**doi:** [10.1016/j.ympev.2018.10.026](https://doi.org/10.1016/j.ympev.2018.10.026) | **pmid:** 30359745  
**role:** edited paper
78. 2019 R Tamashiro, ND White, ME Braun, **BC Faircloth**, EL Braun, R Kimball. What are the roles of taxon sampling and model fit in tests of cyto-nuclear discordance using avian mitogenomic data? **Molecular Phylogenetics and Evolution** 130:132-142.  
**doi:** [10.1016/j.ympev.2018.10.008](https://doi.org/10.1016/j.ympev.2018.10.008) | **pmid:** 30321694  
**role:** performed research, edited paper
77. 2019 T Hofmann, A Fernandes, U Olsson U, M Töpel, B Pfeil, B Oxelman, A Aleixo, **BC Faircloth**, A Antonelli. Allele phasing greatly improves the phylogenetic utility of ultraconserved elements. **Systematic Biology** 68:32-46  
**doi:** [10.1093/sysbio/syy039](https://doi.org/10.1093/sysbio/syy039) | **pmid:** 29771371  
**role:** wrote software, wrote paper
76. 2018 G Friis, G Fandos, A Zellmer, JE McCormack, **BC Faircloth**, B Milá. Genome-wide signals of drift and local adaptation during rapid lineage divergence in a songbird. **Molecular Ecology** 27:5137-5153.  
**doi:** [10.1111/mec.14946](https://doi.org/10.1111/mec.14946) | **pmid:** 30451354  
**role:** performed research, edited paper
75. 2018 K Winker, TC Glenn, **BC Faircloth**. Ultraconserved elements (UCEs) illuminate the population genomics of a recent, high-latitude avian speciation event. **PeerJ** 6:e5735.  
**doi:** [10.7717/peerj.5735](https://doi.org/10.7717/peerj.5735) | **pmid:** 30310754  
**role:** funded research, performed research, wrote paper



74. 2018 MR Pie, **BC Faircloth**, LF Ribiero, MR Bornschein, JE McCormack. Phylogenomics of montane frogs of the Brazilian Atlantic Forest supports a scenario of isolation in sky islands followed by relative climatic stability. **Biological Journal of the Linnaen Society** 125:72-82.  
  
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role: corresponding author, supervised research, funded research, designed research, performed research, wrote paper
71. 2018 *AM Quattrini*<sup>V</sup>, **BC Faircloth**, LF Dueñas, TCL Bridge, M Brugler, IF Calixto-Botía, DM DeLeo, S Forêt, S Herrera, S Lee, DJ Miller, C Prada, G Rádis-Baptista, C Ramírez-Portilla, JA Sánchez, E Rodríguez, and CS McFadden. Universal target-enrichment baits for anthozoan (Cnidaria) phylogenomics: New approaches to long-standing problems. **Molecular Ecology Resources** 18:281-295.  
  
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role: supervised research, funded research, edited the paper
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role: corresponding author, supervised research, funded research, designed research, performed research, wrote software, wrote paper
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role: corresponding author, supervised research, funded research, designed research, performed research, wrote paper
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role: supervised research, funded research, designed research, wrote paper

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role: funded research, designed research, perform-ed research, wrote paper

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role: funded research, wrote paper
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role: performed research, wrote paper
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role: performed research, edited paper
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role: wrote software, wrote paper
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role: edited paper
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role: funded research
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role: supervised research, wrote paper

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role: performed research, wrote paper
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role: supervised research, wrote paper
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role: corresponding author, supervised research, funded research, performed research, wrote paper
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role: supervised research (all UCE analyses), funded research, performed research, wrote paper
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*Peer-refereed manuscripts before coming to LSU*

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role: wrote software, wrote paper
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doi: [10.1098/rsbl.2012.0331](https://doi.org/10.1098/rsbl.2012.0331) | pmid: 22593086  
role: supervised research, funded research, designed research, performed research, wrote paper



19. 2012 JA St. John, EL Braun, SR Isberg, LG Miles, AY Chong, J Gongora, P Dalzell, C Moran, T Iguchi, B Bed'Hom, SC Burgess, AM Cooksey, TA Castoe, A Abzhanov, LD Densmore, M Venegas-Anya, MJ Greenwold, RH Sawyer, FG Hoffmann, NG Crawford, JC Drew, SV Edwards, MK Fujita, JM Howard, **BC Faircloth**, DE Janes, S Yar Khan, Si Kohno, APJ de Koning, SL Lance, FM McCarthy, JE McCormack, ME Merchant, DG Peterson, DD Pollock, N Pourmand, BJ Raney, KA Roessler, JR Sanford, CJ Schmidt, EW Triplett, TD Tuberville, ED Jarvis, LJ Guillette Jr, TC Glenn, RE Green, DA Ray. Sequencing three crocodylian genomes to illuminate the evolution of archosaurs and amniotes. **Genome Biology** 13:415-427. [*Genome Biology* Editor's Pick]
- doi: [10.1186/gb-2012-13-1-415](https://doi.org/10.1186/gb-2012-13-1-415) | pmid: 22293439
- role: edited paper
18. 2012 **BC Faircloth**<sup>†</sup>, JE McCormack, NG Crawford, MG Harvey, RT Brumfield, TC Glenn. Ultraconserved elements anchor thousands of genetic markers for target enrichment spanning multiple evolutionary timescales. **Systematic Biology** 61:717-726. [Featured in *Science* 342:26-27 & *BioTechniques* 55:175-177; Cited > 500 times]
- doi: [10.1093/sysbio/SYS004](https://doi.org/10.1093/sysbio/SYS004) | pmid: 22232343
- role: corresponding author, supervised research, funded research, designed research, performed research, wrote paper
17. 2012 JE McCormack, **BC Faircloth**<sup>ea</sup>, NG Crawford, PA Gowaty, RT Brumfield, TC Glenn. Ultraconserved elements are novel phylogenomic markers that resolve placental mammal phylogeny when combined with species tree analysis. **Genome Research** 26:746-754. [F1000 Recommended]
- doi: [10.1101/gr.125864.111](https://doi.org/10.1101/gr.125864.111) | pmid: 22207614
- role: supervised research, funded research, designed research, performed research, wrote paper
16. 2011 K Kusumi, RJ Kulathinal, A Abzhanov, S Boissinot, NG Crawford, **BC Faircloth**, TC Glenn, DE Janes, JB Losos, DB Menke, S Poe, TJ Sanger, C Schneider, J Stapley, J Wade, J Wilson-Rawls. Developing a community-based genetic nomenclature for anole lizards. **BMC Genomics** 12:554-567.
- doi: [10.1186/1471-2164-12-554](https://doi.org/10.1186/1471-2164-12-554) | pmid: 22077994
- role: wrote paper
15. 2010 **BC Faircloth**<sup>†</sup>, *A Title*, *K Tan*, J Welty, JR Belthoff, PA Gowaty. Eighteen microsatellite loci developed from western burrowing owls (*Athene cunicularia hypugaea*). **Conservation Genetics Resources** 2:167-171.
- doi: [10.1007/s12686-010-9214-5](https://doi.org/10.1007/s12686-010-9214-5) | pmid: n/a
- role: corresponding author, supervised research, designed research, performed research, wrote paper
14. 2010 TM Terhune, DC Sisson, WE Palmer, **BC Faircloth**, HL Stribling, JP Carroll. Translocation to a fragmented landscape: survival, movement and site fidelity of Northern Bobwhites. **Ecological Applications** 20:1040-1052.
- doi: [10.1890/09-1106.1](https://doi.org/10.1890/09-1106.1) | pmid: 20597288
- role: wrote paper

13. 2009 **BC Faircloth**<sup>†</sup>, *A Ramos*<sup>G</sup>, H Drummond, PA Gowaty. Isolation and characterization of microsatellite loci from blue-footed boobies (*Sula nebouxii*). **Conservations Genetics Resources** 1:159-162.  
  
doi: [10.1007/s12686-009-9038-3](https://doi.org/10.1007/s12686-009-9038-3) | pmid: n/a  
role: corresponding author, supervised research, designed research, performed research, wrote paper
12. 2009 *JS Skvarla*<sup>G</sup>, **BC Faircloth**, *BM Shamblin*<sup>G</sup>, MJ Conroy. Microsatellite loci from the black bear (*Ursus americanus*). **Molecular Ecology Resources** 9:288-291.  
  
doi: [10.1111/j.1755-0998.2008.02234.x](https://doi.org/10.1111/j.1755-0998.2008.02234.x) | pmid: 21564629  
role: supervised research, designed research, performed research, wrote paper
11. 2009 KO Evans, LW Burger Jr., **BC Faircloth**, WE Palmer, JP Carroll. Effects of tissue collection methods on morphometrics and survival of captive neonatal Northern Bobwhite. **Journal of Wildlife Management** 73:1241-1244.  
  
doi: [10.2193/2008-011](https://doi.org/10.2193/2008-011) | pmid: n/a  
role: designed research, edited paper
10. 2009 BM Shamblin, **BC Faircloth**, MG Dodd, DA Bagley, LM Erhart, PH Dutton, A Frey, CJ Nairn. Tetranucleotide markers from the loggerhead sea turtle (*Caretta caretta*) and their cross-amplification in other marine turtle species. **Conservation Genetics** 10:577-580.  
  
doi: [10.1007/s10592-008-9573-6](https://doi.org/10.1007/s10592-008-9573-6) | pmid: n/a  
role: designed research, performed research, wrote paper
9. 2009 **BC Faircloth**<sup>†</sup>, *TM Terhune*<sup>G</sup>, NA Schable, TC Glenn, WE Palmer, JP Carroll. Ten microsatellite loci from Northern Bobwhite (*Colinus virginianus*). **Conservations Genetics**10:535-538.  
  
doi: [10.1007/s10592-008-9559-4](https://doi.org/10.1007/s10592-008-9559-4) | pmid: n/a  
role: corresponding author, supervised research, designed research, performed research, wrote paper
8. 2008 BM Shamblin, **BC Faircloth**, SA Josserand, CD Nelson, CJ Nairn. Microsatellite loci from the eastern hemlock (*Tsuga canadensis*). **Molecular Ecology Resources** 8:1354-1356.  
  
doi: [10.1111/j.1755-0998.2008.02274.x](https://doi.org/10.1111/j.1755-0998.2008.02274.x) | pmid: 21586044  
role: supervised research, designed research, performed research, wrote paper
7. 2008 **BC Faircloth**. MSATCOMMANDER: detection of microsatellite repeat arrays and automated, locus-specific primer design. **Molecular Ecology Resources** 8:92-94. [Cited > 750 times]  
  
doi: [10.1111/j.1471-8286.2007.01884.x](https://doi.org/10.1111/j.1471-8286.2007.01884.x) | pmid: 21585724  
role: corresponding author, supervised research, designed research, performed research, wrote software, wrote paper
6. 2007 *BM Shamblin*<sup>G</sup>, **BC Faircloth**, M Dodd, A Wood-Jones, SB Castleberry, JP Carroll, CJ Nairn. Tetranucleotide microsatellites from the loggerhead sea turtle (*Caretta caretta*). **Molecular Ecology Notes** 7:784-787.  
  
doi: [10.1111/j.1471-8286.2007.01701.x](https://doi.org/10.1111/j.1471-8286.2007.01701.x) | pmid: n/a  
role: supervised research, designed research, performed research, wrote paper

5. 2006 **BC Faircloth**. GMCONVERT: file conversion for GeneMapper™ output files. **Molecular Ecology Notes** 6:968-970.  
doi: [10.1111/j.1471-8286.2006.01419.x](https://doi.org/10.1111/j.1471-8286.2006.01419.x) | pmid: n/a;  
role: corresponding author, supervised research, designed research, performed research, wrote software, wrote paper
4. 2006 **BC Faircloth**<sup>†</sup>, *GP Keller*<sup>P</sup>, CJ Nairn, WE Palmer, JP Carroll, PA Gowaty. Microsatellite loci from the Eastern Bluebird (*Sialia sialis*). **Molecular Ecology Notes** 6:646-649.  
doi: [10.1111/j.1471-8286.2006.01408.x](https://doi.org/10.1111/j.1471-8286.2006.01408.x) | pmid: n/a  
role: corresponding author, supervised research, designed research, performed research, wrote paper
3. 2005 **BC Faircloth**<sup>†</sup>, *A Reid*<sup>G</sup>, T Valentine, SH Eo, TM Terhune, TC Glenn, WE Palmer, CJ Nairn, JP Carroll. Tetranucleotide, trinucleotide, and dinucleotide microsatellite loci from the bobcat (*Lynx rufus*). **Molecular Ecology Notes** 5:387-389.  
doi: [10.1111/j.1471-8286.2005.00936.x](https://doi.org/10.1111/j.1471-8286.2005.00936.x) | pmid: n/a  
role: corresponding author, supervised research, designed research, performed research, wrote paper
2. 2005 **BC Faircloth**<sup>†</sup>, WE Palmer, JP Carroll. Post-hatching brood amalgamation in Northern Bobwhites. **Journal of Field Ornithology** 76:175-182.  
doi: [10.1648/0273-8570-76.2.175](https://doi.org/10.1648/0273-8570-76.2.175) | pmid: n/a  
role: corresponding author, designed research, performed research, wrote paper
1. 2004 NA Schable, **BC Faircloth**, WE Palmer, JP Carroll, LW Burger, LA Brennan, C Hagen, TC Glenn. Tetranucleotide and dinucleotide loci from northern bobwhite (*Colinus virginianus*). **Molecular Ecology Notes** 4:415-419.  
doi: [10.1111/j.1471-8286.2004.00670.x](https://doi.org/10.1111/j.1471-8286.2004.00670.x) | pmid: n/a  
role: wrote paper

### *Book Chapters*

- B2. 2017 McCormack JE, F Rodriguez-Gomez, WLE Tsai, **BC Faircloth**. Turning older museum specimens into genomic resources with next-generation sequencing. Chapter 9 in *The role of Collections in Ornithology: The Extended Specimen (Studies in Avian Biology)*. MS Webster (ed). University of California Press, Oakland, CA. doi: [10.1201/9781315120454](https://doi.org/10.1201/9781315120454).
- B1. 2016 K Heyduk, D Stephens, **BC Faircloth**, TC Glenn. Counseling for targeted DNA region re-sequencing. Pages 43-68 in *Field Guidelines for Experimental Genetic Designs in High-Throughput Sequencing*. AM Aransay, JLL Trueba (eds). Springer, Switzerland. doi: [10.1007/978-3-319-31350-4\\_3](https://doi.org/10.1007/978-3-319-31350-4_3).

*Other manuscripts*

- 2012 **BC Faircloth**, J Chang, ME Alfaro. TAPIR enables high-throughput estimation and comparison of phylogenetic informativeness using locus-specific substitution models. arXiv: [1202.1215](https://arxiv.org/abs/1202.1215)
- 2010 S Castrezana, **BC Faircloth**, PA Gowaty. Drosophila collection in Los Angeles, California. *Drosophila Information Service* 93:91-93. [pdf](#).

*Edited volumes*

- 2009 Proceedings of Gamebird 2006: A Joint Conference of Quail VI and Perdix XII. SB Cederbaum, **BC Faircloth**, TM Terhune, JP Carroll (eds). ISBN 0-9703886-2-4. <https://bringbackbobwhites.org/download/quail-vi-proceedings/>

*Dissertation*

- 2008 An integrative study of social and reproductive systems in Northern Bobwhite. Univ. of Georgia. Committee: JP Carroll (Chair), WE Palmer, PA Gowaty, TC Glenn, PD Schliekelman, JFD Dean. [UGA Libraries](#).

**Grants & contracts****9 Federal (NSF) | 9 Other | Total: \$ 7.35 Million**

- 2023-2025 National Science Foundation. OAC-2322246. CC\* Data Storage: Tiger Den: Sustainable campus-wide data system to support CI-enabled research and education. Le Yan, Xiaochen Zhao, Michael Stewart, Nayong Kim, **BC Faircloth**. Total budget: \$498,317.
- 2022-2025 National Science Foundation. IOS-2154283. Selection experiments and sequencing to identify mechanisms of thermal adaptation in a splash pool copepod. Morgan Kelly, **BC Faircloth**, Maheshi Dasanayake. Total budget: \$1,304,159.
- 2022-2023 National Science Foundation. DEB-2217442. Supplemental Award: Collaborative Research: All Birds: A time-scaled avian tree from integrated phylogenomic and fossil data. **BC Faircloth**, RT Brumfield. Total budget: \$109,403.
- 2018-2022 National Science Foundation. IOS-1754417. Collaborative Research: Enhancers and the convergent evolution of limb reduction in squamates. **BC Faircloth**. \$212,169. Collaborative with C Infante, D Menke, TC Glenn. Total budget: \$1,348,630.
- 2017-2022 National Science Foundation. DEB-1655624. Collaborative Research: All Birds: A time-scaled avian tree from integrated phylogenomic and fossil data. **BC Faircloth**, RT Brumfield. \$565,686. Collaborative with BT Smith, KE Barker, EL Braun, RT Kimball, D Kspeka, T Chesser. Total budget: \$1,421,651.

- 2012-2017 National Science Foundation. DEB-1136626. Dimensions: Testing the potential of pathogenic fungi to control the diversity, distribution, and abundance of tree species in a Neotropical forest community. SP Hubbell, **BC Faircloth**, GS Gilbert, TC Glenn, MA Saunders. \$1,941,923.
- 2012-2017 National Science Foundation. DEB-1146440. Collaborative Research: Genealogical reconstruction, foliar chemistry, and community dynamics in a Neotropical rain forest landscape. SP Hubbell, **BC Faircloth**. \$229,942. Collaborative with JP Kellner, GP Asner. Total budget: \$400,000.
- 2012-2013 National Science Foundation. DEB-1242267. EAGER - Collaborative Research: Using ultraconserved elements (UCEs) as genomic markers to study shallow levels of evolutionary divergence. **BC Faircloth**. \$21,180. Collaborative grant with K Winker and TC Glenn. Total budget: \$42,740.
- 2012-2013 National Science Foundation. DEB-1221196. EAGER - RUI: The genomic architecture of speciation in a classic avian hybrid zone. JE McCormack, C Cicero, **BC Faircloth** (senior personnel; co-author). \$50,000.
- 2012-2013 Smithsonian Institution. Consortium for Understanding and Sustaining a Biodiverse Planet. Building the framework of biodiversity science: Next generation phylogenetics. MJ Braun, K Wurdack, W Wcislo, J Maldonado, K Helgen, S Brady, M Cummings, TC Glenn, **BC Faircloth** (senior personnel; co-author), RT Brumfield, E Braun, JC McCormack, NG Crawford, N White. \$100,000.
- 2011-2013 Amazon Web Services in Education Research Grant. The utility of conserved exons as genetic markers. **BC Faircloth**, NG Crawford, JE McCormack. \$10,000.
- 2011 Smithsonian Institution. Next-generation Sequencing Small Grant. Phylogenetic utility of ultraconserved elements for the avian tree of life. MJ Braun, ND White, TC Glenn, **BC Faircloth** (senior personnel; co-author), RT Brumfield, EL Braun, JE McCormack, NG Crawford. \$10,000.
- 2010 Amazon Web Services in Education Research Grant. Species tree prediction in the cloud. NG Crawford, **BC Faircloth**, TC Glenn. \$7,500.
- 2009 Smithsonian Institution. Scholarly Studies Program. Distribution, abundance, and species composition of fine roots in relation to soil nutrients in a neotropical tree community. SP Hubbell, **BC Faircloth** (equivalent to co-PI; co-author). \$57,900.
- 2009 UC MEXUS-CONACYT. Collaborative Research Grant. Mhc variation in Blue-footed Boobies, *Sula nebouxii*. PA Gowaty, HM Drummond, **BC Faircloth** (equivalent to co-PI; co-author). \$25,000.
- 2006 University of Georgia. Dissertation Completion Grant. An integrative study of social and reproductive systems in Northern Bobwhite (*Colinus virginianus*): a non-migratory, avian species bearing precocial young. **BC Faircloth**. \$15,600.
- 2006 Georgia Ornithological Society. Bill Terrell Grant. Effects of translocation on avian population genetics and demographics within a fragmented landscape. TM Terhune and **BC Faircloth** (author). \$2,980.
- 2005 Florida Fish and Wildlife Conservation Commission. Ecology of the snake community of the Red Hills Region relative to management for northern bobwhite: assessing the diet choices of snakes using stable isotopes. A Fisk, JP Carroll, WE Palmer, **BC Faircloth** (co-author), KJ Sash. \$9,660.

## Presentations

### *Invited Seminars (26)*

- 2022 Warnell School of Forestry and Natural Resources, University of Georgia. 9 February.
- 2021 Dept. of Integrative Biology, University of Colorado - Denver. 19 November.
- 2019 Dept. of Ecology and Evolutionary Biology, Yale University. 18 April.
- 2017 Field Museum of Natural History, Chicago, IL, USA. 29 November.
- 2017 Dept. of Biological and Environ. Sciences. University of Gothenburg, Sweden. 6 September.
- 2017 Harrison Lecture. EvoDay at Cornell University. 11 May.
- 2017 Department of Biology. University of Louisiana at Lafayette. 16 February.
- 2016 Comparative Biology Seminar. American Museum of Natural History. 7 November.
- 2016 Department of Biology. Texas Tech University. 5 October.
- 2016 Département de Biologie, Ecole Normale Supérieure, Paris, France. 20 May.
- 2016 Field Museum of Natural History, Chicago, IL, USA. 4 May.
- 2016 Dept. of Biology, University of New Mexico, Albuquerque, NM, USA. 24 March.
- 2016 Dept. of Biology, SE Louisiana University, Hammond, LA, USA. 10 March.
- 2015 Ecology & Evolutionary Biology, University of Tennessee, Knoxville, TN, USA. 25 October.
- 2014 Biodiversity Institute, University of Kansas, Lawrence, KS, USA. 20 October.
- 2014 Museum of Natural Science, LSU, Baton Rouge, LA, USA. 19 October.
- 2014 Computational Biology Seminar for Undergrads, LSU, Baton Rouge, LA, USA. 17 October.
- 2014 Dept. of Biological Sciences, LSU, Baton Rouge, LA, USA. 20 March.
- 2014 Dept. of Biological Sciences, Clemson University, Clemson, SC, USA. 25 February.
- 2014 Dept. of Biological Sciences, Auburn University, Auburn, AL, USA. 20 February.
- 2013 Dept. of Biology and Wildlife, University of Alaska, Fairbanks, AK, USA. 6 December.
- 2013 Dept. of Biology, University of Washington, Seattle, WA, USA. 4 March.
- 2013 Dept. of Biological Sciences, University of Alabama, Tuscaloosa, AL, USA. 12 February.
- 2012 National Museum of Natural History, Smithsonian, Washington D.C., USA. 19 January.
- 2012 Dept. of Biological Sciences, GWU, Washington D.C., USA. 26 March.
- 2008 Tall Timbers Research Station - Stoddard Lecture, Tallahassee, FL, USA. 23 October.

### *Invited Conference Presentations (10)*

- 2020 **BC Faircloth.** B10K Family Level UCE Analysis. 24 - 26 February. Big trees and how to build them - Phylogenetics with hundreds of whole genomes, Copenhagen, Denmark.
- 2018 **BC Faircloth.** Enriching our way towards an understanding vertebrate regulatory region evolution. 31 October - 1 November. Florida Genetics Symposium, Gainesville, FL, USA.
- 2016 **BC Faircloth.** What factors maintain commonness and rarity in tropical forests? 7-11 August. Mycological Society of America. Berkeley, CA, USA.
- 2015 **BC Faircloth, TC Glenn.** Adapterama II: Sequence capture and analysis of massively multiplexed libraries. 28-31 March. Association of Biomolecular Resource Facilities. St. Louis, MO, USA.
- 2014 **BC Faircloth.** Are conserved elements a universal source of genomic information in insects? 16 November. Entomological Society of America, Portland, OR, USA.

- 2014 **BC Faircloth.** The chicken, the finch, and the lizard - three genome assemblies that enabled a revolution in the study of non-model taxa. 6 March. Avian Model Systems, Cold Spring Harbor, NY, USA.
- 2013 **BC Faircloth.** Using next-generation molecular techniques to achieve phylogenomic nirvana. 21 June. Society of Systematic Biologists Phylogenetics Workshop (at Evolution 2013), Snowbird, UT, USA.
- 2013 **BC Faircloth.** Achieving phylogenomic nirvana: ultraconserved elements (UCEs) capture history at the species, population, and individual levels. 20 May. Frontiers in Phylogenetics Spring Symposium, National Museum of Natural History, Smithsonian Institution, Washington D.C., USA.
- 2013 **BC Faircloth.** UCE capture from DNA libraries with complex tagging designs. 8 April. UGA Institute of Bioinformatics Spring Symposium, Athens, GA, USA.
- 2006 **BC Faircloth, TM Terhune, SH Eo, JP Carroll.** Genetic techniques and the study of neotropical quails: from sample collection to data analysis. 8 October. Neotropical Quail: Status, Conservation, and Research, Veracruz, Mexico.

#### *Conference Sessions Organized (2)*

- 2019 C Hofman, **BC Faircloth.** How do I choose? Methodological approaches for cutting-edge phylogenomic research. Evolution 2019, 21-25 June, Providence, RI, USA.
- 2017 MR Gaither, J DiBattista, **BC Faircloth**, P Chakrabarty, G Bernardi, B Bowen. Genes to Genomes: Forging ahead in the study of marine evolution. Indo-Pacific Fish Conference, 2-6 October, Papeete, Tahiti, French Polynesia.

#### *Conference Presentations (27; previous 5 years)*

- 2022 JF Salter, HI Hill, RT Brumfield, **BC Faircloth.** The genomic basis of erythrism in Northern Bobwhites (*Colinus virginianus*) inferred from whole genomes of historical specimens. AOS and BOC 2022 Meeting, 27 June - 2 July, San Juan, Puerto Rico.
- 2022 AE Hiller, RT Brumfield, **BC Faircloth.** Hybridization in the high-Andes: Genomic and phenotypic evidence for admixture in flowerpiercers of the *Diglossa carbonaria* complex. AOS and BOC 2022 Meeting, 27 June - 2 July, San Juan, Puerto Rico.
- 2022 RC Canton, A Chow, N Lord, RT Brumfield, **BC Faircloth.** Evolution of super-black plumage in *Lepidothrix*. AOS and BOC 2022 Meeting, 27 June - 2 July, San Juan, Puerto Rico.
- 2021 EC Corbett, **BC Faircloth**, RT Brumfield. Phylogeography, hybridization, and eye color variation of the Boat-tailed Grackle (*Quiscalus major*). American Ornithological Society and SCO-SOC 2021 Meeting, 9-13 August, Virtual (Online).
- 2021 AE Moncrief, **BC Faircloth**, RT Brumfield. Evolutionary implications of genetic variation around Amazonian rivers: A case study of the Blue-crowned Manakin. American Ornithological Society and SCO-SOC 2021 Meeting, 9-13 August, Virtual (Online).

- 2021 JF Salter, RT Brumfield, **BC Faircloth**. Island endemic or recent introduction? Genomic data from historical specimens reveal the complex origin of Cuban bobwhites (*Colinus virginianus cubanensis*). American Ornithological Society and SCO-SOC 2021 Meeting, 9-13 August, Virtual (Online).
- 2021 G Del-Rio, M Rego, B Whitney, F Schunck, **BC Faircloth**, RT Brumfield. A chromosomal inversion in the hybrid zone between *Rhegmatorhina hoffmannsi* and *berlepschi*. American Ornithological Society and SCO-SOC 2021 Meeting, 9-13 August, Virtual (Online).
- 2021 A Ghezelayagh, RC Harrington, ED Burress, MA Campbell, J Buckner, P Chakrabarty, JR Glass, WT McCraney, PJ Unmack, CE Thacker, ME Alfaro, ST Friedman, WB Ludt, M Friedman, SA Price, A Dornburg, **BC Faircloth** PE Wainwright, TJ Near. Prolonged morphological expansion of spiny-rayed fishes following the end-Cretaceous. *Evolution*, 21-25 June, Virtual (Online).
- 2021 RS Marcondes, GA Bravo, **BC Faircloth**, SV Edwards, RT Brumfield. The genomic landscape of Gloger's rule in a tropical passerine bird. *Evolution*, 21-25 June, Virtual (Online).
- 2021 JF Salter, RT Brumfield, **BC Faircloth**. Genomic data from historical specimens reveal the complex origin of a sedentary quail on Cuba. *Evolution*, 21-25 June, Virtual (Online).
- 2020 G Del-Rio, M Rego, B Whitney, F Schunck, S Luís, **BC Faircloth**, RT Brumfield. Mito-nuclear Incompatibilities between *Rhegmatorhina hoffmannsi* and *berlepschi* across an amazonian river. North American Ornithological Congress, 10-15-August, Virtual (Online).
- 2019 CS McFadden, AM Quattrini, **BC Faircloth**, E Rodriguez. A robust, time-calibrated phylogeny from sequence-capture of UCEs and exons sheds light on skeletal evolution in class Anthozoa. 7th International Symposium on Deep-Sea Corals, 29-3 July, Cartagena, Colombia.
- 2019 CH Oliveros, **BC Faircloth**. Is mutation rate linked to diversification in birds? American Ornithological Society Conference, 24-28 June, Anchorage, AK, USA.
- 2019 F Spaulding, J McLaughlin, K McCracken, TC Glenn, **BC Faircloth**, K Winker. Population genomics infer different modes of speciation with gene flow in the green-winged teal complex. American Ornithological Society Conference, 24-28 June, Anchorage, AK, USA.
- 2019 S Gillette, TC Glenn, **BC Faircloth**, K Winker. Population genomics of Mew Gulls indicate that the North American Short-billed Gull is a full biological species. American Ornithological Society Conference, 24-28 June, Anchorage, AK, USA.
- 2019 JF Salter, RT Brumfield, **BC Faircloth**. Where did Cuban bobwhites come from? American Ornithological Society Conference, 24-28 June, Anchorage, AK, USA.
- 2019 AE Hiller, RT Brumfield, **BC Faircloth**. Montane biogeography and the evolution of disjunct ranges: a case study in the *Diglossa* flowerpiercers. American Ornithological Society Conference, 24-28 June, Anchorage, AK, USA.
- 2018 JR Glass, RC Harrington, **BC Faircloth**, TJ Near. Phylogenomics of carangiform evolution using ultraconserved elements. Joint Meeting of Ichthyologists and Herpetologists, 11-15 July, Rochester, NY, USA.



- 2018 RC Harrington, TJ Near, **BC Faircloth**, M Friedman. Swimming in data: Addressing Pelagiaria relationships with phylogenomic datasets. Joint Meeting of Ichthyologists and Herpetologists, 11-15 July, Rochester, NY, USA.
- 2018 T McCraney, J Buckner, C Thacker, **BC Faircloth**, ME Alfaro. Phylogenomic systematics of Gobiiformes: Small fishes show some backbone. Joint Meeting of Ichthyologists and Herpetologists, 11-15 July, Rochester, NY, USA.
- 2018 B Sidlauskas, C Dillman, K Hoekzema, B Melo, ME Alfaro, M Burns, B Frable, C Oliveira, M Sabaj, **BC Faircloth**. Vari's legacy in the light of a molecular phylogeny for Anostomoidea. Joint Meeting of Ichthyologists and Herpetologists, 11-15 July, Rochester, NY, USA.
- 2018 B Melo, M Stiassny, J Arroyave, F Roxo, R Benine, L Ochoa, B Sidlauskas, **BC Faircloth**, ME Alfaro, C Oliveira. Phylogenomics and the timing of diversification in Characiformes (Teleostei, Ostariophysi). Joint Meeting of Ichthyologists and Herpetologists, 11-15 July, Rochester, NY, USA.
- 2018 CH Oliveros, DJ Field, DT Ksepka, FK Barker, RG Moyle, **BC Faircloth**. Phylogeny of all passerine families reveal a diversification history tied to Cenozoic global climate. American Ornithological Society Conference, 9-14 April, Tucson, AZ, USA.
- 2018 NT Vinciguerra, WL Tsai, **BC Faircloth** JE McCormack. Genomic and ecomorphological divergence across an avian hybrid zone. American Ornithological Society Conference, 9-14 April, Tucson, AZ, USA.
- 2017 **BC Faircloth**. Explosive diversification of marine fishes at K-Pg boundary. Indo-Pacific Fish Conference, 2-6 October, Papeete, Tahiti, French Polynesia.
- 2017 A Hiller, RT Brumfield, **BC Faircloth**. Knowns and unknowns in the origin of leapfrog variation in Andean birds. American Ornithological Society Conference, 31 July - 5 August, East Lansing, MI, USA.
- 2017 JF Salter, PA Hosner, EL Braun, RT Kimball, **BC Faircloth**. Slow markers and fast birds: a subspecific phylogeny of the New World Quail using thousands of UCE loci. American Ornithological Society 2017, 31 July - 5 August, East Lansing, MI, USA.

## Teaching

### *Courses (22)*

2024	Spring	BIOL 3040 Evolution, 100% (150 students)
2023	Fall	BIOL 3040 Evolution, 100% (180 students)
2023	Spring	BIOL 3040 Evolution, 100% (150 students)
2022	Fall	BIOL 4800 Foundations of Computing For Biologists, 100% (14 students)
2022	Spring	BIOL 3040 Evolution, 100% (100 students)
2021	Fall	BIOL 3040 Evolution, 100% (60 students)
2021	Spring	BIOL 3040 Evolution, 100% (100 students; fully online)
2020	Fall	BIOL 4800 Computer Programming for Biologists, 100% (13 students; fully online)
2020	Spring	BIOL 3040 Evolution, 100% (89 students; partially online)
2019	Fall	BIOL 3040 Evolution, 100% (100 students)
2019	Spring	BIOL 3040 Evolution, 100% (89 students)
2018	Fall	BIOL 7800 Computer Programming for Biologists, 100% (11 students)
2018	Spring	BIOL 3040 Evolution, 100% (89 students)
2017	Spring	BIOL 3040 Evolution, 100% (100 students)
2016	Fall	BIOL 3040 Evolution, 100% (71 students)
2016	Spring	BIOL 7800 Computer Programming for Biologists, 100% (17 students)
2015	Fall	BIOL 3040 Evolution, 100% (57 students)
2015	Spring	BIOL 3040 Evolution, 100% (30 students)
2006	Fall	FORS 1100 Natural Resource Conservation, 40%
2005	Fall	FORS 8300 Open-source Computing, 20%
2005	Spring	FORS 5250/7250 Intl. Wildlife Conservation, 30%
2004	Spring	FORS 3000 Field Measurements, 15%
2004	Spring	FORS 5770/7770 Wildlife Population Dynamics (Teaching Asst.)

### *Workshops (19)*

2023	LSU LAGNiAppE (NSF RaMP) DNA Sequencing Workshop, August 4, Baton Rouge, LA, USA.
2022	Alaska INBRE Next-Generation DNA Sequencing and Sequence Analysis Workshop, July 18-24, Fairbanks, AK, USA.
2021	Alaska INBRE Next-Generation DNA Sequencing and Sequence Analysis Workshop, June 1-4, June 14-16, August 2-4, Virtual (Online).
2019	Alaska INBRE Next-Generation DNA Sequencing and Sequence Analysis Workshop, May 13 - 15, Fairbanks, AK, USA.
2017	Alaska INBRE Next-Generation DNA Sequencing and Sequence Analysis Workshop, May 15 - 19, Anchorage, AK, USA.
2015	Alaska INBRE Next-Generation DNA Sequencing and Sequence Analysis Workshop, July 27 - August 7, Fairbanks, AK, USA.
2014	Achieving phylogenomic nirvana, 2-10 November, Universidade Federal De São Paulo, São Paulo, Brazil.

- 2014 RAD-seq for population genetic and phylogenomic analyses, 21-27 October, Universidad Nacional Autónoma de México, Mexico City, Mexico.
- 2014 UCLA La Kretz Workshop in Conservation Genomics, 22-26 March, UCLA La Kretz Field Station, Santa Monica Mountains National Recreation Area, Malibu, CA, USA.
- 2014 Enrichment, sequencing, and analysis of ultraconserved elements. 20-31 January, Smithsonian Tropical Research Institute, Naos, Panama.
- 2013 Next generation data and analyses for phylogeography and phylogenetics. 25-29 November. Centro Atómico Bariloche, Bariloche, Argentina.
- 2013 Integration of molecular and field approaches to ecology. 7-26 July. Smithsonian Tropical Research Institute, Gamboa, Panama.
- 2013 Next-generation DNA sequencing. 15-17 May. University of Alaska, Fairbanks, AK, USA.
- 2013 Demuxipy, Splitaake, & Phyluce. 8 April. UGA Institute of Bioinformatics Spring Symposium, Athens, GA, USA.
- 2013 UCLA La Kretz Workshop in Conservation Genomics, 23-28 March, UCLA La Kretz Field Station, Santa Monica Mountains National Recreation Area, Malibu, CA, USA.
- 2012 Sequence Capture for Next-generation Phylogenomics, 16-20 January, Smithsonian Institution, Washington D.C., USA.
- 2011 Next-Generation DNA Sequencing Workshop, 20-21 July, Smithsonian Institution, Washington D.C., USA.
- 2007 Scientist Training Workshop, World Pheasant Association, 14-21 October, Baishuihe Reserve, Sichuan Province, China.
- 2004 Scientist Training Workshop, World Pheasant Association, 12-15 April, Mukteswar, Uttar Pradesh, India.

### **Trainees/Mentoring (count)**

#### *Faculty (1)*

- Dr. Kyle Piller  
Southeastern Louisiana University, LBRN Summer Research Program (2021-2024)

#### *Post-doctoral Scientists (3)*

- Dr. Isabelle Neylan (2023-present)
- Dr. Janet Buckner (2020-2021)
- Dr. Carl Oliveros (2015-2019)

*Visiting Post-doctoral Scientists (6)*

- Dr. Manolo Perez (Summer & Fall 2019)
- Dr. Jordan Satler (Fall 2017)
- Dr. Saskia Wutke (Spring & Summer 2017)
- Dr. Andrea Quattrini (Fall 2016)
- Dr. Richard Harrington (Fall 2015)
- Dr. James Starret (Fall 2014)

*Graduate Students (7)*

**In Progress (5)**

- Roberta Canton
- Eamon Corbett
- Anna Hiller
- Vinay K L
- Oluwaseun Akinsulire

**Completed (2)**

- Dr. Jessie Salter (LSU, PhD, 2021)
- Dr. Glaucia Del Rio (LSU, PhD, 2022)

*Fulbright Scholars (1)*

- Paraskevi (Penny) Niki Lampri (University of Athens, Greece, 2017-2018)

*Visiting Graduate Students (7)*

- Taryn Farber (UCSC, PhD student, Summer 2018)
- Rosalyn Price-Waldman (SDSU, PhD candidate, Summer 2018)
- Shahan Derkarabetian (SDSU, PhD candidate, Fall 2014)
- Sarah Longo (UC Davis, PhD student, Summer 2014)
- Sharifa Crandall (UCSC, PhD candidate, Summer 2013)
- Sarah Grove (UCSC, PhD candidate, Summer 2013)
- Alejandra Ramos (UNAM, México, MS student, Summer 2009)

*Graduate Committee Member (20)*

**In Progress (3)**

- Josef Mick (LSU, PhD)
- Gabriela Neiva Frota Lima (LSU, PhD)
- Diego Cueva (LSU, PhD)

**Completed (17)**

- Chi Jing Leow (SELU, MS, 2023)
- Dr. Jackson Roberts (LSU, PhD, 2023)
- Able Chow (LSU, MS, 2022)
- Dr. Manali Singha (LSU, PhD, 2022)
- Dr. Kyle Sirovy (LSU, PhD, 2022)
- Dr. Karla Vargas (Univ. of Arizona, PhD, 2022)
- Dr. Rafael Marcondes (LSU, PhD, 2021)
- Patrick Rayle (LSU, MS, 2021)
- Dr. Amie Settlekowski (LSU, PhD, 2021)
- Dr. Joanna Griffiths (LSU, PhD, 2020)
- Dr. Kieran Lyons (LSU, PhD, 2020)
- Dr. Subir Shakya (LSU, PhD 2020)
- Dr. Ansonia Badgett (LSU, PhD, 2018)
- Dr. Cathy Newman (LSU, PhD, 2017)
- Dr. Ryan Terrill (LSU, PhD, 2017)
- Dr. Karine Leydet (LSU, PhD, 2016)
- Dr. Jeff Wolf (UCLA, PhD, 2015)

*Other Graduate Trainees (9)*

- Princess Gilbert (UCLA, 2012-2014)
- Jonathan Chang (UCLA, 2011-2012)
- Laurie Sorenson (UCLA, 2011)
- Jonathan Drury (UCLA, 2009)
- Jennifer Linehan (Univ. of Georgia, 2007)
- Allison Reid (Univ. of Georgia, 2006-2007)
- Jamie Skvarla-Sanderlin (Univ. of Georgia, 2006-2007)
- Brian Shamblin (Univ. of Georgia, 2005-2006)
- Theron Terhune (Univ. of Georgia, 2007)

*Teachers/Post-graduate Trainees (9)*

- Jonathan Diab (UCSC, 2017)
- Pablo Barrick (Teacher - Watsonville High School, CA, 2013)
- Alex Chase (UCLA, 2013)
- Daniel Clark Johnston (Teacher - Watsonville High School, CA, 2013)
- Fulvia Jordan (Teacher - Instituto Alberto Einstein, Panama, 2013)
- Katharine Sarah Holub-Young (UK, 2013)
- Vincent Wu (UCLA/UC Berkeley, 2012)
- Gwen Keller (Univ. of Georgia, 2007)
- Katherine Crook (Sewanee, 2001-2002)

*Undergraduate Honors Thesis Supervisor (4)*

- Maia Jackson (LSU, 2024).  
*The effects of ethanol preservation on high-molecular weight DNA.*
- Walid Mohammed (LSU, 2023).  
*Investigating preservation methods for high molecular weight DNA analysis.*
- Caroline Cresson (LSU, 2023).  
*The quantification of blue colors in several species of the avian phylogeny.*
- Marguerite D. Poché (LSU, 2019).  
*Phylogenetic analysis of toucan family Ramphastidae.*

*Undergraduate Honors Thesis Committee Member (3)*

- Shelby Oliveaux (LSU, 2023).  
*Genomic scale analyses support the placement of red pandas but reveal conflict within Mustelidae.*
- Catherine Rockwell (LSU, 2021).  
*Analysis of young, lineage specific Alu elements in Cebus.*
- Corey St. Romain (LSU, 2019).  
*Analysis of baboon (Genus Papio) population structure using Alu insertion polymorphisms.*

*Undergraduate Trainees (23)*

- Maia Jackson (LSU, 2021-present)
- Walid Mohammed (LSU, 2022-2023)
- Caroline Cresson (LSU, 2022-2023)
- Andrew Mercante (LSU, 2017-2020)
- R. Austin Clark (LSU, 2016-2020)
- Meridith Cooper (Univ. of Texas, 2019)
- Elisa Yang (UC Berkeley, 2019)
- Ryder Ollie (LSU, 2017-2019)
- Marguerite Poché (LSU, 2015-2019)
- Taylor Marcus (LSU, 2017-2018)
- Biannca Pierre (LSU, 2017-2018)
- Mackenzie Noonan (LSU, 2017)
- Laura Henn (UCSC, 2013)
- Jennifer Thompson (UCSC, 2013)
- Jimmy Zheng (UCLA, 2013)
- Gereme Gaffney (UCLA, 2009-2011)
- Andrew Nguyen (UCLA, 2009-2011)
- Kevin Tan (UCLA, 2008)
- Alexandra Title (UC Berkeley, 2008)
- Lindsay Kirkman (Univ. of Georgia, 2007)
- Justin Brooks (Univ. of Georgia, 2007)
- Adam Butler (MS State Univ., 2003)
- John Gruchy (MS State Univ., 2003)

*High School Trainees (8)*

- Juan Pablo Fábrega (Academia Interamericana, Panama, 2013)
- Shiran Herscovich (Instituto Alberto Einstein, Panama, 2013)
- Cesar Garcia Lopez (Watsonville High School, CA, 2013)
- Amanda Romo (Watsonville High School, CA, 2013)
- Natalie Russo (Instituto Alberto Einstein, Panama, 2013)
- Juan David Sánchez (Academia Interamericana, Panama, 2013)
- Zack Herbst (Chadwick School, CA, 2012)
- Elana Fruchtmann (Harvard-Westlake High, CA, 2008)

## Service to the profession

### *Scientific Societies*

2021-2024 Council Member, Society of Systematic Biology

### *Editorial*

2018-present Associate Editor, Systematic Biology  
 2017-present Academic Editor, PeerJ  
 2013-2018 Editorial Board, Systematic Biology  
 2014-2017 Associate Editor, Axios Review  
 2007 Editorial Board, International Journal of Galliformes Conservation  
 2006-2009 Editorial Board, Proceedings, [Gamebird 2006](#) (Quail VI and Perdix XII)

### *Refereeing*

Am Nat, Appl Plant Sci, Bird Conserv Int, BMC Evol Biol, Bull Br Ornithol Club, Conserv Genet, Divers Distrib, Ethology, Evolution, G3, Ibis, J Avian Biol, J Hered, J Wildl Manage, Mol Biol Evol, Mol Ecol, Mol Ecol Res, Mol Phylogenet Evol, Proc Natl Acad Sci U S A, Science, Syst Biol, Wildl Soc Bull, Wilson Bull, Zool Stud

### *Grant panel member*

National Science Foundation (2014, 2016, 2017)

### *Grant review (ad hoc / external)*

National Science Foundation (2014, 2015, 2016, 2021)

## Service to the university

### *College/University*

2022-present Member, Research Technology Subcommittee (LSU)  
 2021-present Faculty Advisor, Ékam USA (LSU)  
 2020-2023 Interdisciplinary Science Building Design Committee (LSU)  
 2022-2023 Member, AI/ML High Performance Computer Planning Committee (LSU)  
 2021-2023 Member, Department of Mathematics Internal Review Committee (LSU)  
 2020-2022 Member, Research Technology Subcommittee (LSU)  
 2021-2022 Member, Accelerating Discovery Through AI, ML & Data Science Exploratory Committee (LSU)  
 2018-2020 Member, Data Science Working Group, College of Science (LSU)  
 2003 Member, Intercollegiate Athletics Committee (Univ. of Georgia)  
 2003 Member, University Council (Univ. of Georgia)

### *Department*

2023-present Member, Strategic Planning Committee, Dept. of Biological Sciences (LSU)  
 2023-present Chair, Population Genetics Search Committee, Dept. of Biological Sciences (LSU)  
 2023-present Member, Peer Teaching Evaluation Committee (Daijiang Li), Dept. of Biological Sciences (LSU)  
 2023-present Chair, Junior Faculty Mentoring Committee (Gregory Thom), Dept. of Biological Sciences (LSU)  
 2023-present Member, Junior Faculty Mentoring Committee (Igor Schneider), Dept. of Biological Sciences (LSU)

2021-present	Chair, Infrastructure Committee, Dept. of Biological Sciences (LSU)
2021-present	Member, Junior Faculty Mentoring Committee (Nick Mason), Dept. of Biological Sciences (LSU)
2023-2024	Member, Genomics Facility Upgrade Committee, Dept. of Biological Sciences (LSU)
2015-2023	Member, Graduate Recruitment Committee, Dept. of Biological Sciences (LSU)
2022-2023	Member, DEI Cluster Hire Search Committee
2021-2022	Member, Junior Faculty Mentoring Committee (Arthur Porto), Dept. of Biological Sciences (LSU)
2017-2021	Executive Committee, Systematics, Ecology, & Evolution, Dept. of Biological Sciences (LSU)
2020	Member, Biological Sciences Safety Committee (LSU; <i>ad hoc</i> )
2019-2020	Member, Data Science Search Committee
2018-2019	Member, Data Science Search Committee
2018-2019	Member, Ornithology Curator Search Committee (LSU)
2016-2017	Member, Cell Biology Search Committee (LSU)
2009	Member, Ecology and Evolutionary Biology Lab Safety Committee (UCLA; <i>ad hoc</i> )
2006-2008	Member, Forestry & Natural Resources Safety Committee (Univ. of Georgia)
2001-2003	Vice-president, Forestry & Natural Resources Grad Student Association (Univ. of Georgia)

### Additional professional service

2011-present	Member of development team for packages in <a href="#">faircloth-lab</a> software repository @github
2006-present	Developer of <a href="#">msatcommander</a> automated microsatellite primer design program
2007-2020	Member of the development team for <a href="#">Primer3</a> , a popular program for primer design
2010-2012	Contributor to <a href="#">The Molecular Ecologist</a>
2001-2003	Chair, Student Affairs Committee, The Wildlife Society President, Student Chapter, The Wildlife Society (Univ. of Georgia)
1999-2000	

### Scientific affiliations

2019-present	Genetics Society of America (Member)
2017-present	American Ornithological Society (Member)
2016-present	Society for the Study of Evolution (Lifetime member)
2011-present	Society of Systematic Biologists (Lifetime Member)
2017-2020	Wilson Ornithological Society (Member)
2017-2020	American Genetic Association (Member)
2009-2012	IUCN-SSC Galliformes Specialist Group
2006-2011	Association of Field Ornithologists
2001-2011	American Ornithologist's Union
2006-2010	<i>Sigma Xi</i>
2001-2008	IUCN-SSC Partridge, Quail, and Francolin Specialist Group
1999-2003	The Wildlife Society

### Computer skills

Computer programming (Python, R, SAS); System administration (Linux); Document markup languages (CSS,  $\LaTeX$ , HTML); Database administration (PostgreSQL)



## Miscellaneous

Former firefighter (Middlebury, VT; Savannah, GA); Former National Registry EMT-Intermediate and Emergency Room technician, Memorial Trauma Center (Savannah, GA)

Hobbies: cooking, crossfit, fly-fishing, hiking, mountain- & road-biking, running, reading, swimming, travel

Countries visited: Argentina, Australia, Brazil, Canada, China, Denmark, France, French Polynesia, Germany, Guatemala, India, Mexico, Monaco, The Netherlands, New Zealand, Republic of Panama, Republic of Georgia, Sweden

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<http://faircloth-lab.org/assets/cv/brant-faircloth-vitae.pdf> — Last updated: April 3, 2024