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# Elizabeth Derryberry

CURRICULUM VITAE  
[VERSION SEPTEMBER 2016]

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Ken and Ruth Arnold Early Career Professor in Earth and Ecological Science  
Assistant Professor, Ecology and Evolutionary Biology  
Tulane University  
New Orleans, LA 70118-5698  
Email: [ederrybe@tulane.edu](mailto:ederrybe@tulane.edu), Office: (504) 862-8285, Cell: (919) 452-5577, Fax: 504-862-8706  
Website: [elizabethderryberry.tulane.edu](http://elizabethderryberry.tulane.edu)

## **EDUCATION**

2007 Ph.D. in Biology, Duke University, Durham, NC  
2000 B.A., *magna cum laude* in Ecology and Evolutionary Biology, Princeton University, Princeton, NJ

## **RESEARCH & ACADEMIC APPOINTMENTS**

2016 – current Associate Editor, *Evolution*  
2015 – current Associate Editor, *Journal of Animal Ecology*  
2015 – current Assistant Professor, Tulane University, Neuroscience Program  
2014 – 16 Ken and Ruth Arnold Early Career Professor in Earth and Ecological Science  
2012 – current Assistant Professor, Tulane University, Department of Ecology & Evolutionary Biology  
2011 – 12 Research Assistant Professor, Tulane University, Department of Ecology & Evolutionary Biology  
2010 – 12 Research Assistant Professor, Louisiana State University, Museum of Natural Science (LSUMNS)  
2007 – 10 Postdoctoral Research Associate, LSUMNS  
2009 – 10 Postdoctoral Scholar, FIRST IV (Faculty Institutes for Reforming Scientific Teaching), Michigan State University, East Lansing, MI.

## **FELLOWSHIPS**

2005 Duke University, Department of Biology, Graduate Research Fellowship  
2000 – 04 National Science Foundation Graduate Research Fellowship

## **AWARDS**

2016 Tulane School of Science and Engineering Graduate Faculty Award for Excellence in Graduate Teaching and Mentorship.

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## **RESEARCH (60% OF JOB RESPONSIBILITIES)**

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### **FEDERAL FUNDING** (RUNNING TOTAL: \$1.6MIL)

2016 – 18 \$18,779 NSF, DDIG  
PI: Derryberry; Co-PI: Lipshutz

*Proximate mechanisms of aggression in sex-role reversed species*

- 2014 – 17 \$791,000 NSF, IOS: Animal Behavior Cluster  
Lead PI: **Derryberry**; Collaborative PIs: Luther  
*Urban-dependent selection on bird song: proximate and ultimate causes, and evolutionary consequences*
- 2012 – 16 \$712,271 NSF, DEB: Systematics and Biodiversity Science Cluster  
Lead PI: Brumfield; Collaborative PIs: **Derryberry**, Cracraft, Moyle  
*Systematics of a Pantropical diversification: the suboscine passerine birds*
- 2011 – 14 \$130,987 NSF, Major Research Instrumentation Program  
PI: Blum; Co-PIs: **Derryberry**, Richards-Zawacki, Karubian  
*Acquisition of an automated sequencer for research, training and education at Tulane University and partner institutions*

**NON-FEDERAL RESEARCH FUNDING** (RUNNING TOTAL: \$165,813)

- 2016 \$7,000 Carol Lavin Bernick Faculty Grant Program  
PI: **Derryberry**  
*Bright lights, big city: how does light pollution affect gut microbiota in birds?*
- 2016 \$10,000 COR Research Fellowship Program  
PI: **Derryberry**  
*The effects of thermal stress on cognitive and motor performance components of behavior*
- 2015 \$5000 American Ornithologists' Union, anonymous donation
- 2014 – 15 \$10,000 Louisiana Board of Regents, Pfund  
PI: **Derryberry**  
*Urban-dependent selection on bird song: proximate and ultimate causes, and evolutionary consequences*
- 2014 – 15 \$10,000 Morris Animal Foundation  
PI: Jordan Karubian; Collaborative PIs: Duraes, **Derryberry**  
*Does lead in New Orleans have mockingbirds singing the blues?*
- 2012 – 15 \$122,813 Louisiana Board of Regents, Research Competitiveness Subprogram  
PI: **Derryberry**  
*Behavioral mechanisms of speciation in a natural avian hybrid zone*
- 2010 \$10,000 Louisiana Board of Regents, EPSCoR Pfund  
PI: Brumfield; Co-PI: **Derryberry**  
*Behavioral mechanisms of speciation in a natural hybrid zone between two subspecies of white-crowned sparrow (*Zonotrichia leucophrys*)*

**FUNDING IN SUPPORT OF STUDENT RESEARCH** (RUNNING TOTAL: \$135,747)

- 2016 – 23 \$256,000 Louisiana Board of Regents, Graduate Fellows Program  
PI: **Derryberry**; Collaborative PIs: Sunshine Van Bael and David Heins

*Recruiting superior graduate students in ecology and evolutionary biology*

2015	\$4500	Louisiana Board of Regents, Supervised Undergraduate Research Experience PI: <b>Derryberry</b> , Undergraduate: Kim Micotto <i>Zebra finch long term memory capacity and song complexity</i>
2014	\$4500	Louisiana Board of Regents, Supervised Undergraduate Research Experience PI: <b>Derryberry</b> , Undergraduate: Amie Settlekowski <i>Diversification of species in two avian genera of conservation concern</i>
2014 – 19	\$120,000	Louisiana Board of Regents, Graduate Fellows Program PI: <b>Derryberry</b> ; Collaborative PIs: Cori Richards-Zawacki and David Heins <i>Recruiting superior graduate students in ecology and evolutionary biology</i>
2014	\$300.00	Center for Engaged Learning and Teaching, Tulane University PI: <b>Derryberry</b> <i>Purchase of document camera for engaged learning activities</i>
2013 – 14	\$1783	Center for Engaged Learning and Teaching, Tulane University PI: <b>Derryberry</b> , Undergraduate: Amie Settlekowski <i>Development of bioinformatics tools for phylogenetics</i>
2013 – 14	\$1254	Center for Engaged Learning and Teaching, Tulane University PI: <b>Derryberry</b> , Undergraduate: Natasha Lowery <i>Learning to sing: variation among songbirds in learning accuracy</i>
2014	\$1890	Newcomb Grant Program, Tulane University PI: <b>Derryberry</b> ; Undergraduate: Natasha Lowery <i>Urban-dependent selection on bird song</i>
2013	\$1520	Newcomb Grant Program, Tulane University PI: <b>Derryberry</b> ; Undergraduate: Amie Settlekowski <i>Evolution of complex displays in manakins (Pipridae)</i>

**UNDERGRADUATE AND GRADUATE GRANTS AND AWARDS** (TOTAL: \$24,068)

2005	\$11,768	NSF, IOS: Doctoral Dissertation Improvement Grant Senior Personnel: Nowicki; Graduate Student: <b>Derryberry</b> <i>Sources of selection on a sexual signal</i>
2005	\$1000	Duke Department of Biology Grant-in-Aid of Research
2004	\$1000	Animal Behavior Society Student Research Grant
2004	\$1800	American Ornithologists' Union Research Grant Bleitz Award
2003	\$1000	<i>Sigma Xi Grant-in-Aid of Research</i>
2002	\$1000	Duke Department of Biology Grant-in-Aid of Research
2000	\$1000	Explorer's Club Grant, Kenya
2000	\$5000	Princeton-in-Africa Grant
2000	\$500	Gregory T. Pope '80 Prize for Science Writing

**REFEREED PUBLICATIONS**

Google h-index 15, i10-index 20, Citations 1314

*\*undergraduate student, \*\*graduate student*

## In Prep

2. Danner, RM, C Coomes\*\*, EP **Derryberry**. In Prep. Simulated heat waves reduce cognitive and motor performance of an endotherm. Target journal: PNAS.
1. Settlecowski AE\*, AM Cuervo, JG Tello, RT Brumfield and EP **Derryberry**. In Prep. Rapid speciation in the late Miocene marked the evolutionary history of *Lipaugus* and *Tijuca* (Cotingidae) across lowland and montane Neotropical forests. Target journal: *Molecular Phylogenetics and Evolution*

## In Review

4. Lipshutz, S\*\*, I Overcast, M Hickerson, and EP **Derryberry**. Genetic and vocal structure across a contact zone between white-crowned sparrow subspecies. Journal: *Molecular Ecology*.
3. Mason, N, K Burns, J Tobias, S Claramunt, N Seddon and EP **Derryberry**. Rates of vocal signal evolution and speciation are linked in passerine birds. Journal: *Evolution*.
2. Phillips, J\*\* and EP **Derryberry**. Compromised vocal performance in an urban songbird has functional consequences in male-male competition. Journal: *Animal Behavior*.
1. **Derryberry**, EP, N Seddon, G Derryberry, S Claramunt, G Seeholzer, RT Brumfield and JA Tobias. Ecological drivers of song diversification in birds: stochasticity, sensory drive and magic traits. Journal: *Evolution*.

## Published

29. Zucker, MR, MG Harvey, JA Oswald, A Cuervo, EP Derryberry, RT Brumfield. 2016. The Mouse-colored Tyrannulet (*Phaeomyias murina*) is a species complex that includes the Cocos Flycatcher (*Nesotriccus ridgewayi*), an island form that underwent a population bottleneck. *Molecular Phylogenetics and Evolution* 101: 294-302. (ISI Impact Factor: 4.018)
28. **Derryberry**, EP<sup>+</sup>, RM Danner<sup>+</sup>, JE Danner<sup>+</sup>, GE Derryberry, JN Phillips\*\*, SE Lipshutz\*\*, KE Gentry, and DA Luther. 2016. Patterns of song across natural and anthropogenic soundscapes suggest that white-crowned sparrows minimize acoustic masking and maximize signal content. *PLOS one* 11(4): e0154456. <sup>+</sup>equal first authorship (ISI Impact Factor: 3.234)
27. Luther, DA, J Phillips\*\*, and EP **Derryberry**. 2016. Not so sexy in the city: urban birds adjust songs to noise but compromise performance and potency in communication. *Behavioral Ecology* 27(1): 332-340. (ISI Impact Factor: 2.56; Cited by 3)
26. Zylberberg, M, EP **Derryberry**, CW Breuner, EA MacDougall-Shackleton, JM Cornelius, and TP Hahn. 2015. *Haemoproteus* infected birds have increased lifetime reproductive success. *Parasitology* 142(8): 1033-1043 (ISI Impact Factor: 2.56; Cited by 1)
25. Cuervo, A, FG Stiles, M Lention, RT Brumfield, and EP **Derryberry**. 2014. Geographic variation and phylogenetic relationships of *Myiopagis olallai* (Aves: Passeriformes; Tyranniade), with the description of two new taxa from the Northern Andes. *Zootaxa* 3873(1): 1-24 (ISI Impact Factor: 0.906; Cited by 3)
24. Zhang, G, C Li, Q Li, B Li, DM Larkin, C Lee, JF Storz, A Antunes, MJ Greenwold, RW Meredith, A Ödeen, J Cui, Q Zhou, L Xu, H Pan, Z Wang, L Jin, P Zhang, H Hu, W Yang, J Hu, J Xiao, Z Yang, Y Liu, Q Xie, H Yu, J Lian, P

Wen, F Zhang, H Li, Y Zeng, Z Xiong, S Liu, L Zhou, Z Huang, N An, J Wang, Q Zheng, Y Xiong, G Wang, B Wang, J Wang, Y Fan, RR da Fonseca, A Alfaro-Núñez, M Schubert, L Orlando, T Mourier, J Howard, G Ganapathy, A Pfening, O Whitney, MV Rivas, E Hara, J Smith, M Farré, J Narayan, G Slavov, MN Romanov, R Borges, JP Machado, I Khan, MS Springer, J Gatesy, FG Hoffmann, JC Opazo, O Håstad, RH Sawyer, H Kim, KW Kim, HJ Kim, S Cho, N Li, Y Huang, MW Bruford, X Zhan, A Dixon, MF Bertelsen, EP **Derryberry**, W Warren, RK Wilson, S Li, DA Ray, RE Green, S J O'Brien, D Griffin, WE Johnson, D Haussler, OA Ryder, E Willerslev, GR Graves, P Alström, J Fjeldså, DP Mindell, SV Edwards, EL Braun, C Rahbek, DW Burt, P Houde, Y Zhang, H Yang, J Wang, ED Jarvis, MTP Gilbert, J Wang & Avian Genome Consortium. 2014. Comparative genomics reveals insights into avian genome evolution and adaptation. *Science* 346(6215): 1311-1320 (*ISI Impact Factor: 33.611; Cited by 167*).

23. Jarvis, ED, S Mirarab, AJ Aberer, B Li, P Houde, C Li, SYW Ho, BC Faircloth, B Nabholz, JT Howard, A Suh, CC Weber, RR da Fonseca, J Li, F Zhang, H Li, L Zhou, N Narula, L Liu, G Ganapathy, B Boussau, MS Bayzid, V Zavidovych, S Subramanian, T Gabaldón, S Capella-Gutiérrez, J Huerta-Cepas, B Rekepalli, K Munch, M Schierup, B Lindow, WC Warren, D Ray, RE Green, M Bruford, X Zhan, A Dixon, S Li, N Li, Y Huang, EP **Derryberry**, MF Bertelsen, F Sheldon, RT Brumfield, C Mello, PV Lovell, M Wirthlin, JA Samaniego, AMV Velazquez, A Alfaro-Núñez, PF Campos, T Sicheritz-Ponten, A Pas, T Bailey, P Scofield, M Bunce, D Lambert, Q Zhou, P Perelman, AC Driskell, G Ruby, B Shapiro, Z Xiong, Y Zeng, S Liu, Z Li, B Liu, K Wu, J Xiao, X Yinqi, Q Zheng, Y Zhang, H Yang, J Wang, L Smeds, FE Rheindt, M Braun, J Fjeldså, L Orlando, K Barker, KA Jønsson, W Johnson, KP Koepfli, S O'Brien, D Haussler, OA Ryder, C Rahbek, E Willerslev, GR Graves, TC Glenn, J McCormack, D Burt, H Ellegren, P Alström, S Edwards, A Stamatakis, DP Mindell, J Cracraft, EL Braun, T Warnow, W Jun, MTP Gilbert, G Zhang. 2014. Whole genome analyses resolve the early branches in the tree of life of modern birds. *Science* 346(6215): 1320-1331 (*ISI Impact Factor: 33.611; Cited by 317*).
22. Smith, BT, JE McCormack, AM Cuervo, MJ Hickerson, A Aleixo, CD Cadena, J Perez-Eman, CW Burney, X. Xie, MG Harvey, BC Faircloth, TC Glenn, EP **Derryberry**, J Prejean, S. Fields, and RT Brumfield. The drivers of tropical speciation. 2014. *Nature* 515(7527): 406-409 (*ISI Impact Factor: 41.456; Cited by 68*).
21. **Derryberry** EP<sup>+</sup>, GE Derryberry<sup>+</sup>, JM Maley, RT Brumfield. 2014. HZAR: Hybrid zone analysis using an R software package. *Molecular Ecology Resources* 14(3): 652-663 (*ISI Impact Factor: 3.712; Cited by 29*)<sup>+</sup> equal first authorship
20. Tobias, JA<sup>+</sup>, C. Cornwallis<sup>+</sup>, EP **Derryberry**, S Claramunt, RT Brumfield, N Seddon. 2014. Species coexistence and the dynamics of phenotypic evolution in adaptive radiation. *Nature* 506: 359-363. doi: [10.1038/nature12874](https://doi.org/10.1038/nature12874) (*ISI Impact Factor: 41.456; Cited by 41*).<sup>+</sup> equal first authorship
19. Claramunt, S, EP **Derryberry**, CD Cadena, AM Cuervo, C Sanín and RT Brumfield. 2013. Phylogeny and classification of *Automolus* foliage-gleaners and allies (Furnariidae). *Condor* 115(2): 375-385 (*ISI Impact Factor: 1.000; Cited by 4*)
18. Tobias, JA, JD Brawn, RT Brumfield, EP **Derryberry**, ANG Kirschel, and N Seddon. 2012. The importance of Neotropical suboscine birds as study systems in ecology and evolution. *Ornitologia Neotropical* 23: 259-272 (*ISI Impact Factor: 0.261; Cited by 7*).
17. Peters, S, EP **Derryberry**, S Nowicki. 2012. Songbirds learn songs least degraded by environmental transmission. *Biology Letters* 8(5): 736-739 (*ISI Impact Factor: 3.348; Cited by 13*).

**Press coverage:** *Science Daily; Daily Mail; BBC & Cambridge, The Naked Scientist; American Birding Association*

16. **Derryberry** EP, S Claramunt, N Seddon, J Tobias, A Baker, and RT Brumfield. 2012. Correlated evolution of beak morphology and song in the Neotropical woodcreeper radiation. *Evolution* 66(9): 2784-2797 (*ISI Impact Factor: 4.612; Cited by 30*)

15. Claramunt, S, EP **Derryberry**, RT Brumfield, and JV Rensen, Jr. 2012. Ecological opportunity and diversification in a continental radiation of birds: climbing adaptations and cladogenesis in the Furnariidae. *American Naturalist* 179(5): 649-666. (ISI Impact Factor: 4.725; Cited by 15)
14. Luther D and EP **Derryberry**. 2012. Birdsongs keep pace with city life: changes in song over time in an urban songbird affect communication. *Animal Behavior* 83: 1059-1066 (ISI Impact Factor: 3.068; Cited by 36)

**Press coverage:** *Science Daily; Anthrophysis*

13. McCormack J, J Maley, S Hird, EP **Derryberry**, GR Graves, and RT Brumfield. 2012. Next generation sequencing reveals phylogeographic structure and a species tree for recent bird divergences. *Molecular Phylogenetics and Evolution* 62: 397-406 (ISI Impact Factor: 4.018; Cited by 62)
12. Claramunt, S, EP **Derryberry**, JV Rensen, Jr, and RT Brumfield. 2012. High dispersal ability inhibits speciation in a continental radiation of passerine birds. *Proceedings of the Royal Society of London Series B* 279: 1567-1574. (ISI Impact Factor: 5.29; Cited by 52) doi: 10.1098/rspb.2011.1922
11. **Derryberry** EP, S Claramunt, G Derryberry, RT Chesser, J Cracraft, A. Aleixo, J. Pérez-Emán, JV Rensen Jr, RT Brumfield. 2011. Lineage diversification and morphological evolution during an exceptional continental radiation, the Neotropical ovenbirds and woodcreepers (Aves: Furnariidae). *Evolution* 65(10): 2973-2986. (ISI Impact Factor: 4.612; Cited by 127)
10. **Derryberry** EP. 2011. Male response to historical and geographical variation in bird song. *Biology Letters* 7(1): 57-59. (ISI Impact Factor: 3.348; Cited by 14)

**Press coverage:** *ScienceNow*

9. Tobias JA, J Aben, RT Brumfield, EP **Derryberry**, W Halfwerk, H Slabbekoorn and N Seddon. 2010. Song divergence by sensory drive in Amazonian birds. *Evolution* 64(10): 2820-2839. (ISI Impact Factor: 4.612; Cited by 73)
8. **Derryberry** EP, RT Chesser, S Claramunt, J Cracraft, and RT Brumfield. 2010. *Certhiasomus*, a new genus of woodcreeper (Aves: Passeriformes: Furnariidae) from South America. *Zootaxa* 2416: 44-50. (ISI Impact Factor: 0.906; Cited by 9)
7. **Derryberry** EP, S Claramunt, KE O'Quin, A Aleixo, RT Chesser, JV Rensen Jr, and RT Brumfield. 2010. *Pseudasthenes*, a new genus of ovenbird (Aves: Passeriformes: Furnariidae). *Zootaxa* 2416: 61-68. (ISI Impact Factor: 0.906; Cited by 13)
6. Claramunt S, EP **Derryberry**, RT Chesser, A Aleixo, and RT Brumfield. 2010. Polyphyly of *Campylorhamphus*, and description of a new genus for *C. pucherani* (Dendrocolaptinae). *The Auk* 127(2): 430-439. (ISI Impact Factor: 2.404; Cited by 14)
5. Chesser RT, S Claramunt, EP **Derryberry**, and RT Brumfield. 2009. *Geocerthia*, a new genus of terrestrial ovenbird (Aves: Passeriformes: Furnariidae). *Zootaxa* 2213: 64-68. (ISI Impact Factor: 0.906; Cited by 9)
4. **Derryberry** EP. 2009. Ecology shapes birdsong evolution: variation in habitat and morphology explains variation in white-crowned sparrow song. *American Naturalist* 174(1): 24-33. (ISI Impact Factor: 4.725; Cited by 74)

**Press coverage:** *Science Podcast; Science Daily; Jornal Tribuna de Macau; Discoveries BBC Wildlife; Daily Planet; Columbus Dispatch*

3. **Derryberry** EP. 2007. Evolution of bird song affects signal efficacy: an experimental test using historical and current signals. *Evolution* 61(8): 1938–1945. **Selected by Faculty of 1000.** (*ISI Impact Factor: 4.612; Cited by 31*)

**Selected press coverage:** *ScienceNOW; New Scientist; London Daily Telegraph; The Vancouver Sun; Daily Mail; Spiegel; MSNBC, LiveScience; BBC Edinburgh, NewsDrive; Discovery News, The Feedbag; AAAS, Science Update; WCHL Radio Chapel Hill; CBC, As it Happens & The Adler Show*

2. MacDougall-Shackleton EA, EP **Derryberry**, J Foufopoulos, AP Dobson and TP Hahn. 2005. Parasite-mediated heterozygote advantage in an outbred songbird population. *Biology Letters* 1(1): 105-107. (*ISI Impact Factor: 3.348; Cited by 53*)
1. MacDougall-Shackleton EA, EP **Derryberry** and TP Hahn. 2002. Non-local male mountain white-crowned sparrows have lower paternity and higher parasite loads than males singing local dialect. *Behavioral Ecology* 13(5): 682-689. (*ISI Impact Factor: 3.083; Cited by 47*)

#### **NON-PEER REVIEWED PUBLICATIONS**

5. MacDougall-Shackleton EA, EP **Derryberry**, J Foufopoulos, AP Dobson and TP Hahn. 2004. Parasite-mediated heterozygote advantage in an outbred songbird population. *Integrative and Comparative Biology* 44 (6): 596-596.
4. **Derryberry**, EP and BE Ballentine. 2003. Historical changes in vocal performance: implications for mate choice. *Integrative and Comparative Biology* 43 (6): 855-855.
3. **Derryberry** EP, J Foufopoulos, AP Dobson, MacDougall-Shackleton EA, and TP Hahn. 2002. An investigation of the effects of two haematzoa on reproductive success in mountain white-crowned sparrows. *Integrative and Comparative Biology* 42 (6): 1219-1219. (*Cited by 2*)
2. **Derryberry** EP. 2000. An investigation of the effects of two haematzoa on reproductive success in mountain white-crowned sparrows. Princeton University Senior Thesis.
1. **Derryberry** EP. 2000. A day in the field, *Princeton Alumni Weekly*, June 2000.

#### **INVITED UNIVERSITY SEMINARS**

- 2016 **Ohio State University**, Department of Evolution, Ecology and Organismal Biology  
**Oregon State University**, Department of Fisheries and Wildlife  
**University of Tennessee Knoxville**, Ecology & Evolutionary Biology  
**Southeastern Louisiana University**, Biological Sciences Department  
**Texas A&M University**, Department of Wildlife and Fisheries Sciences
- 2015 **Oklahoma State University**, Sam Noble Museum and Department of Integrative Biology  
**Tulane University**, Neuroscience Program
- 2014 **Loyola University**, Department of Biology

- 2013 **Cornell University**, Lab of Ornithology  
**Purdue University**, Department of Biology  
**American Museum of Natural History**, Department of Ornithology  
**Academy of Natural Sciences**, Department of Ornithology  
**Drexel University**, Department of Biodiversity, Earth and Environmental Sciences  
**University of Massachusetts, Amherst**, Biology Department  
**Louisiana State University**, Louisiana Museum of Natural Science
- 2011 **University of the South**, Department of Biology  
**California State University Fresno**, Department of Biology
- 2010 **Tulane University**, Department of Ecology & Evolutionary Biology  
**Northern Kentucky University**, Department of Biological Sciences  
**Spelman College**, Biology Department  
**Louisiana State University**, Department of Renewable Natural Resources
- 2009 **Southeastern Louisiana University**, Department of Biological Sciences  
**University of New Orleans**, Department of Biology
- 2008 **University of Texas at Austin**, Section of Integrative Biology
- 2007 **Louisiana State University**, Louisiana Museum of Natural Science  
**Duke University**, Department of Biology

#### **INVITED PRESENTATIONS AT PROFESSIONAL MEETINGS**

- 2016 SYMPOSIUM TALK: **Derryberry**, EP, RM Danner, JE Danner, GE Derryberry, JN Phillips, K Gentry and DA Luther. Singing in the city: Investigating the mechanisms of how birds adjust their songs to urban environments. North American Ornithological Conference, Washington, DC.
- 2016 PLENARY TALK: **Derryberry**, EP. Ecological drivers of song diversification in birds. Research Advances in Fisheries, Wildlife and Ecology (RAFWE) Graduate Student Symposium. Oregon State University, Corvallis, OR.
- 2015 PLENARY TALK: **Derryberry**, EP. Singing in the city: urban dependent selection on bird song. American Ornithologists' Union and Cooper Ornithological Society Conference, Norman, OK.
- 2013 SYMPOSIUM TALK: **Derryberry**, EP, N Seddon, S Claramunt, G Seeholzer, RT Brumfield, and JA Tobias. Of songs and specimens: using vouchered behaviors to examine song evolution in avian radiations. American Ornithologists Union Meeting, Chicago, IL.

#### **CONTRIBUTED PRESENTATIONS**

- 2016 Berlow, M, EP Derryberry. A comparison of lethal and non-lethal sampling of avian gut microbial communities. North American Ornithological Conference. Washington, DC.
- Coomes, C, EP Derryberry. Female white-crowned sparrows (*Zonotrichia leucophrys*) show preference for high minimum frequency. North American Ornithological Conference. Washington, DC.
- Danner, R, Coomes C, EP Derryberry. Surviving the heat: Integrating physiology, behavior, and morphology to predict population response to climate change. North American Ornithological



Conference. Washington, DC.

Derryberry, EP. Birds as city slickers: Unraveling the mechanisms of how birds cope with living in urban environments. North American Ornithological Conference. Washington, DC.

Lipshutz SE, EP Derryberry. Differential aggression between two hybridizing, sex-role reversed species. North American Ornithological Conference. Washington, DC. Neotropical Ornithology Student Presentation Award.

Lipshutz SE, I Overcast, M Hickerson, R Brumfield, G Derryberry and EP Derryberry. Divergence in sexual signal and behavior despite ongoing gene flow. NY Population Genomics 2016. Princeton.

Phillips JN, EP Derryberry. Natural and sexual selection on performance of songs in urban white-crowned sparrows. North American Ornithological Conference. Washington, DC.

Derryberry, EP. Birds as city slickers: Unraveling the mechanisms of how birds cope with living in urban environments. Animal Behavior Society. Columbus, MO.

- 2015 Mason, N, K Burns, N Seddon, J Tobias, S Claramunt and EP Derryberry. Evolutionary rate heterogeneity of learned and innate vocal displays in two prominent clades of Neotropical passerines (Thraupidae and Furnariidae). American Ornithologists' Union and Cooper Ornithological Society Conference, Norman, OK.
- Phillips, JN and EP Derryberry. Singing through the urban racket: functional consequences of decreased vocal performance. American Ornithologists' Union and Cooper Ornithological Society Conference, Norman, OK.
- Danner, R, J Danner, J Phillips, K Gentry, S Lipshutz, G Derryberry, C Rochefort, D Luther and EP Derryberry. Bird song along regional and site-specific noise gradients: roles for cultural evolution, plasticity, and performance limits. American Ornithologists' Union and Cooper Ornithological Society Conference, Norman, OK.
- Settlecowski, AE, AM Cuervo, JG Tello, RT Brumfield and EP Derryberry. Cotingas in a bush: ancient rapid speciation marked the evolutionary history of *Lipaigus* and *Tijuca* species (Cotingidae). American Ornithologists' Union and Cooper Ornithological Society Conference, Norman, OK.
- Luther, D and EP Derryberry. The influence of background noise on the acoustic niche. Ecological Society of America Meeting, Baltimore, MD.
- Mason, NA, KJ Burns, N Seddon, J Tobias, S Claramunt and EP Derryberry. Evolutionary rate heterogeneity among learned and innate vocal displays within two prominent clades of Neotropical songbirds (Thraupidae and Furnariidae). Evolution Meetings, Brazil.
- 2014 Derryberry, EP and S Lipshutz\*\*. Asymmetric gene flow and territorial response to song across a subspecific contact zone in the white-crowned sparrow. American Ornithologists Union Meeting, Estes Park, CO.
- Derryberry, EP and Luther, D. Not so sexy in the city: urban birds adjust songs to noise but compromise performance. American Ornithologists Union Meeting, Estes Park, CO.
- Cuervo, AM, GA Bravo, FH Sheldon, A Aleixo, T Chesser, J Cracraft, R Moyle, LF Silveira, MG Harvey, BT Smith, G Derryberry, S Claramunt, RT Brumfield & EP Derryberry. Towards a complete phylogeny of suboscine passerines using genomic-scale data. XXI Congresso Brasileiro de Ornitologia. Rio de Janeiro, Brazil.

Cuervo, AM, RT Brumfield, FH Sheldon, A Aleixo, GA Bravo, T Chesser, J Cracraft, R Moyle, LF Silveira, MG Harvey, BT Smith, G Derryberry, S Claramunt & EP Derryberry. Filogenómica de los pájaros suboscinos. Simposio: Avances en la Ornitología Colombiana. IV Congreso Colombiano de Zoología, Cartagena, Colombia.

Cuervo, AM, RT Brumfield, FH Sheldon, A Aleixo, GA Bravo, T Chesser, J Cracraft, R Moyle, LF Silveira, MG Harvey, BT Smith, G Derryberry, S Claramunt & EP Derryberry. Phylogenomics of the pantropical radiation of suboscine passerines. Annual meeting of the American Ornithologists' Union, the Cooper Ornithological Society, and the Society of Canadian Ornithologists, Estes Park, CO, U.S.A.

Phillips, J and EP Derryberry. Song in the City: How does song urbanization affect signal salience? Palomarin Research Station, Point Blue Conservation Science.

Phillips, J, S Lipshutz, DA Luther, and EP Derryberry. Effects of song urbanization on male-male interactions: do low frequencies matter? Annual meeting of the American Ornithologists' Union, Estes Park, CO, U.S.A. (Poster)

Lipshutz SE, CN Rochefort, and EP Derryberry. Acoustic adaptation of white-crowned sparrow songs to urban and rural habitats. SSE Research Day Poster Session. Tulane University. Honorable Mention.

Lipshutz SE, and EP Derryberry. Hybridization between Northern and Wattled Jacanas. Departmental EcoLunch. Tulane University.

2013 Luther, D and EP Derryberry. Variation in evolutionary trajectories of urban and rural populations. The Greenberg Innovation Sessions. Smithsonian Migratory Bird Center.

Derryberry, EP, N Seddon, S Claramunt, G Seeholzer, RT Brumfield, and JA Tobias. Acoustic adaptation versus magic traits: Song diversification in a Neotropical avian radiation. Animal Behavior Society Meeting, Boulder, CO.

Smith, BT, J McCormack, AM Cuervo, M Hickerson, A Aleixo, CD Cadena, J Perez-Eman, X Xie, MG Harvey, BC Faircloth, T Glenn, EP Derryberry, J Prejean, S Fields, CW Burney, RT Brumfield. Speciation by dispersal through a structured tropical landscape. Evolution Meetings, Snowbird, UT.

Lipshutz SE, CN Rochefort, and EP Derryberry. Singing in the City: acoustic adaptations of White-crowned Sparrows in urban environments. Point Reyes Bird Observatory.

Lipshutz SE, CN Rochefort, and EP Derryberry. Acoustic adaptation of white-crowned sparrow songs to urban and rural habitats. 50th Animal Behavior Conference, CU, Boulder. (Poster)

Lipshutz, SE and EP Derryberry. What can a polyandrous mating system teach us about speciation? FROSPETS Behavior and Speciation workshop. Oslo, Norway.

2011 **Derryberry** EP, S Claramunt, N Seddon, J Tobias, A Baker, and RT Brumfield. Correlated evolution of beak morphology and song in the Neotropical woodcreeper radiation. IX Neotropical Ornithology Congress and the VIII Peruvian Ornithology Congress, Cusco, Peru.

**Derryberry** EP and DA Luther. Cultural evolution in an urban songbird affects communication. Animal Behavior Society Conference, Bloomington, IN.

2010 Claramunt S, EP **Derryberry**, RT Brumfield and JV Remsen, Jr. Adaptations for trunk-climbing in the Neotropical ovenbird radiation (Furnariidae): the effect of a key innovation on diversification. Evolution Meetings, Portland, OR.

McCormack J, J Maley, S Hird, EP **Derryberry** and RT Brumfield. A simple and cost-effective application of 454 pyrosequencing to investigate four recent divergences in birds. Evolution Meetings, Portland, OR.

2009 **Derryberry** EP, S Claramunt, N Seddon, J Tobias, A Baker, and RT Brumfield. Vocal evolution in the morphologically diverse family Dendrocolaptidae. Evolution Meetings, Moscow, ID.

2008 Chesser RT, J Cracraft, RG Moyle, J Tello, EP **Derryberry**, S Claramunt, JV Remsen Jr, A Aleixo, J Perez-Eman, and RT Brumfield. Toward a complete phylogeny of the Furnariidae. The American Ornithologists' Union Conference, Portland, OR.

2007 **Derryberry** EP. John James Audubon: the making of an ornithologist. Louisiana State Art Museum Invited Audubon Lecture Series, Baton Rouge, LA.

2006 **Derryberry** EP. Historical versus current songs: do females discriminate? Animal Behavior Society Conference, Snowbird, UT.

**Derryberry** EP. Song evolution affects song salience. International Society of Behavioral Ecology Conference, Tours, France.

2005 **Derryberry** EP. Historical versus current songs: do males discriminate? Animal Behavior Society Conference, Snowbird, UT.

2004 **Derryberry** EP and B Ballentine. Historical changes in vocal performance: implications for mate choice. Society for Integrative and Comparative Biology, New Orleans, LA. Integr Comp Biol 43(6): 855.

2003 **Derryberry** EP, J Foufopoulos, AP Dobson, EA MacDougall-Shackleton and TP Hahn. An investigation of the effects of two haematozoa on reproductive success in mountain white-crowned sparrows. Society for Integrative and Comparative Biology, Toronto, Ontario. Integr Comp Biol 42(6): 1219.

**Derryberry** EP. Song evolution and habitat change over three decades in Marin County, CA. Point Reyes Bird Observatory Invited Lecture, Marin, CA.

## **TEACHING (30% OF JOB RESPONSIBILITIES)**

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### **HONORS & AWARDS**

2011 HHMI-National Academy Education Fellow

### **SCHEDULED TEACHING**

Spring 2017	EBIO 3080: Processes of Evolution (majors)
Fall 2013-15	EBIO 6810: Journal Review & Introduction to Scientific Teaching Skills (graduate)
Fall 2013	EBIO 4230/6230: Molecular Evolution and Ecology (Advanced undergraduate and graduate)
Fall 2012, 2014	EBIO 2130: Introduction to Animal Behavior (introductory undergraduate)
Spring 2013-16	EBIO 2020: Theories and Methods of Ecology and Evolutionary Biology (majors)

### **INDEPENDENT STUDIES DIRECTED**

Fall 2015 EBIO 4910-18: Undergraduate Independent Study (1 student; 3 credits)

	EBIO 4910-21: Undergraduate Independent Study (1 student; 3 credits)
	EBIO 4990-32: Undergraduate Honors Thesis (1 student; 3 credits)
	EBIO 6910-05: Graduate Independent Study (1 student; 4 credits)
	EBIO 6910-15: Graduate Independent Study (1 student; 4 credits)
	EBIO 6910-16: Graduate Independent Study (1 student; 4 credits)
	NSCI 4910-91: Undergraduate Independent Study (1 student; 3 credits)
	NSCI 5000-53: Undergraduate Independent Study (1 student; 3 credits)
Spring 2015	EBIO 6920-13: Graduate Independent Study (1 student; 3 credits)
	EBIO 6920-07: Graduate Independent Study (1 student; 3 credits)
	EBIO 6920-29: Graduate Independent Study (1 student; 3 credits)
	EBIO 5000-32: Undergraduate Honors Thesis Research (1 student; 3 credits)
	EBIO 4990-53: Undergraduate Honors Thesis Research (1 student; 3 credits)
Fall 2014	EBIO 6910-0: Graduate Independent Study (1 student; 3 credits)
	EBIO 6910-0: Graduate Independent Study (1 student; 4 credits)
	EBIO 6910-0: Graduate Independent Study (1 student; 3 credits)
	EBIO 4990-0: Undergraduate Honors Thesis Research (1 student; 3 credits)
	NSCI 4910-0: Undergraduate Independent Study (1 student; 3 credits)
Spring 2014	EBIO 6920-0: Graduate Independent Study (1 student; 4 credits)
	EBIO 6920-0: Graduate Independent Study (1 student; 4 credits)
	EBIO 6920-0: Graduate Independent Study (1 student; 2 credits)
	EBIO 4920-0: Undergraduate Independent Study (1 student; 1 credit)
Fall 2013	EBIO 6910-0: Graduate Independent Study (1 student; 4 credits)
	EBIO 6910-0: Graduate Independent Study (1 student; 3 credits)
	EBIO 4910-0: Undergraduate Independent Study (1 student; 2 credits)
	EBIO 4910-0: Undergraduate Independent Study (1 student; 1 credit)
Summer 2013	EBIO 6910-0: Graduate Independent Study (1 student; 4 credits)
Spring 2013	EBIO 6920-0: Graduate Independent Study (1 student; 2 credits)
	EBIO 4920-0: Undergraduate Independent Study (1 students; 1 credit)
	EBIO 4920-0: Undergraduate Independent Study Lab (1 student; 1 credit)
Fall 2012	EBIO 6910-0: Graduate Independent Study (1 student; 3 credits)

### **TEACHING AT OTHER INSTITUTIONS**

Fall 2010	BIO 4800: Animal Behavior (advanced undergraduate), Louisiana State University (LSU)
	BIOL 1201: Biology for Science Majors I (Guest lecturer)
Spring 2010	BIO 7901: Behavioral Ecology Seminar (advanced undergraduate/graduate), LSU
	BIOL 4142: Ornithology (Guest lecturer)

### **TEACHING NETWORKS (MEMBER)**

2014	Assessment of Competence in Experimental Design in Biology (ACED-Bio) Network. National Science Foundation Research Coordination Network – Undergraduate Biology Education (RCN-UBE).
2009	FIRST IV: Faculty Institutes for Reforming Scientific Teaching Network.

### **TEACHING WORKSHOPS (ORGANIZER/LEADER)**

- 2015 Graduate teaching workshop, Tulane Ecology and Evolutionary Biology
- 2012 Transforming undergraduate biology education through postdoctoral scholars, FIRST IV (Faculty Institutes for Reforming Scientific Teaching).
- 2011 Transforming undergraduate education in biology, Tulane Ecology and Evolutionary Biology Invited Teaching Workshop.
- Transforming undergraduate biology education through postdoctoral scholars, FIRST IV (Faculty Institutes for Reforming Scientific Teaching).
- 2010 Using Formative and Summative Assessment in the Elementary School Classroom, Delta Kappa Gamma Meeting (honorary teachers) of Baton Rouge.
- Aligning Class Learning Objectives and Assessments in Every Classroom, LSU Renewable Natural Resources Invited Teaching Workshop.

### **TEACHING WORKSHOPS (ATTENDED)**

- 2012 Tulane Center for Engaged Learning and Teaching (CELT): Brown Bag Workshop: Teaching in an Inverted Classroom.
- 2011 HHMI/National Academies Summer Institute on Undergraduate Education in Biology, University of Wisconsin-Madison.
- 2010 Transforming undergraduate biology education through postdoctoral scholars, FIRST IV (Faculty Institutes for Reforming Scientific Teaching).
- 2009 Transforming undergraduate biology education through postdoctoral scholars, FIRST IV (Faculty Institutes for Reforming Scientific Teaching).

### **POSTDOCTORAL FELLOWS MENTORED AT TULANE**

- Ray Danner (2014 – 2015). Current: Assistant Professor at University of North Carolina, Wilmington.
- Julie Danner (2014 – 2015). Current: on leave to start a family.
- Renata Durães (2014 – 2015). Current: Professor of the Practice at Tulane University.
- Andrés Cuervo (2013 – 2015). Current: Postdoctoral Fellow at Universidad de los Andes in Bogotá, Colombia.

### **GRADUATE STUDENTS SUPERVISED AT TULANE**

- Sara Lipshutz (2012 – present), NSF Graduate Research Fellow
- Jennifer Phillips (2013 – present)
- Mae Berlow (2015 – present)
- Casey Coomes (2015 – present)

### **UNDERGRADUATE HONORS THESIS READER AT TULANE**

- 2015 – 16 Annie DeWitt (Second Reader; Dr. Mostany, Advisor)
- 2015 – 16 Mysia Dye (Advisor)
- 2014 – 15 Kim Micotto (Advisor)
- 2014 – 15 Amie Settlekowski (Advisor)

- 2013 – 14 Julia Berkey (Second Reader; Dr. Cori Richards Zawacki, Advisor)  
2012 – 13 Mitchell Hinton (Dr. Jordan Karubian, Advisor; Current Location: UC Davis graduate school; NSF GRFP recipient)

### **PROFESSIONAL AND PUBLIC SERVICE (5% OF JOB RESPONSIBILITIES)**

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#### **INVITED MEMBER OF FEDERAL GRANT REVIEW PANEL**

- 2014 NSF, IOS Panel  
2013 NSF, DEB Panel  
2012 NSF, Doctoral Dissertation Improvement Grants Panel, declined due to schedule conflict  
2011 NSF, DEB Panel

#### **INVITED MEMBER OF INTERNATIONAL EVALUATION COMMITTEE**

- 2014 Agence Nationale de la Recherche, *French National Research Agency*

#### **AD HOC REVIEWER FOR FEDERAL GRANTING AGENCIES**

- 2014 NSF, Population and Community Ecology Cluster  
2012 NSF, Systematics and Biodiversity Cluster  
2011 NSF, Evolutionary Ecology Cluster  
2010 NSF, Evolutionary Genetics Cluster, Integrative Organismal Systems  
2009 NSF, Integrative Organismal Systems

#### **AD HOC INTERNATIONAL EVALUATION COMMITTEE**

- 2013 Agence Nationale de la Recherche, *French National Research Agency*

#### **AD HOC REVIEWER FOR AWARDS**

- 2012 Graduate Women in Science Fellowship  
2008 Graduate Women in Science Fellowship

#### **SERVICE FOR PROFESSIONAL JOURNALS**

- 2016 – 2019 Associate Editor, *Evolution*  
2015 – 2018 Associate Editor, *Journal of Animal Ecology*

Reviewer: *Proceedings of the Royal Society of London, Systematic Biology, American Naturalist, Evolution, Molecular Ecology, Proc Roy Biology Letters, Conservation Biology, Molecular Phylogenetics and Evolution, Evolutionary Ecology, Functional Ecology, Animal Behaviour, Behavioral Ecology, Journal of Evolutionary Biology, Behavioral Ecology and Sociobiology, Journal of Avian Biology, Evolutionary Ecology, International Journal of Ecology, Journal of Ethology, The Auk, Emu, Wilson Bulletin, Condor, Ibis*

#### **PROFESSIONAL SERVICE**

- 2015 – 2018 American Ornithologists Union Council Member  
2015 – 2017 American Ornithologists Union Senior Awards Committee  
2015 – 2017 American Ornithologists Union Nominations Committee

#### **PROFESSIONAL SOCIETIES**

Animal Behavior Society; International Society for Behavioural Ecology; Society for the Study of Evolution; American Society of Naturalists; American Ornithologists Union; Sigma Delta Epsilon Graduate Women in Science

### COMMUNITY OUTREACH

2012 – now      Girls in STEM at Tulane (GIST). ***A Little Birdie Told Me: Come be a scientist-in-training: build your own local bird field guide, make your own sound recordings, and learn what it's like to be a bird in the city.***

### INSTITUTIONAL SERVICE (5% OF JOB RESPONSIBILITIES)

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#### GRADUATE STUDENT COMMITTEES

Peter Tellez (Ph.D. candidate, Dr. Sunshine Van Bael, Advisor)  
Eric Enbody (Ph.D. candidate, Dr. Jordan Karubian, Advisor)  
Kim Mighell (Ph.D. candidate, Dr. Sunshine Van Bael, Advisor)  
Samantha Lantz (Ph.D. candidate, Dr. Jordan Karubian, Advisor)  
Maggie MacPherson (Ph.D. candidate, Dr. Tom Sherry, Advisor)  
Layla Freeborn (Ph.D. candidate, Dr. Cori Richards-Zawacki, Advisor)

#### GRADUATE STUDENT COMMITTEES (OFF-CAMPUS)

Catie Policastro (M.S. 2013, University of New Orleans, Dr. Simon Lailvaux, Advisor)  
Jennifer Phillips (M.S. 2012, CSU Fresno, Dr. Madhu Katti, Advisor)

#### UNDERGRADUATE STUDENT SUPERVISED RESEARCH

2016 – 17      Toni Brown (Tulane Junior) – Jacana hybridization and signaling. Lab work includes song and plumage analyses with S Lipshutz. Attends weekly lab meeting. Funded by CELT.

Clara Howell (Tulane Senior) - Cognition and preference functions. Lab work includes signal analysis, operant conditioning, cognition assays with captive zebra finches, cryostat and histology. Attends weekly lab meeting.

Nicole Wilson (Tulane Junior and Honors Student) - Cognition and heat stress. Lab work includes cognition analyses with captive zebra finches, operant conditioning, and song analyses. Attends weekly lab meeting. Funded by Honors Summer Research Program.

2015 – 16      Kim Micotto (Tulane Senior) – Cognition and behavioral complexity. Lab work includes cognition analyses with captive zebra finches, cryostat and histology. Attends weekly lab meeting. **Current occupation: gap year prior to veterinary school.**

Jaime Rosenberg (Tulane Newcomb Scholar and Senior) – Anolis phylogeography in Panama. Lab work includes DNA extractions, Sanger sequencing, editing and aligning sequences, phylogenetic analyses. Co-advised with Dr. Richards-Zawacki.

Mysia Dye (Tulane Senior and Honors Student) – Call diversification in poison dart frogs. Lab work includes sound analysis and mate choice trials. Co-advised with Dr. Richards-Zawacki. **Current occupation: Graduate school, Moriarty Lemmon lab at Florida State University.**

**Emily Norris** (Tulane Senior) – Gut microbial diversity of birds. Lab work includes sample collection, microbial extraction and sequencing. **Current occupation: Conservation and Land Management Internship Program in Twin Falls, Idaho.**

Clara Howell (Tulane Sophomore) – Cognition and preference functions. Lab work includes signal analysis, operant conditioning, cognition assays with captive zebra finches, cryostat and histology as well as thermal imaging with R Danner. Attends weekly lab meeting. **Awarded a Goldwater Honorable Mention.**

Steph Piper (Tulane Junior) – Diversification of a Pantropical Radiation. Lab work includes DNA extractions and Sanger sequencing, editing and aligning sequences, phylogenetic analyses. Attends weekly lab meeting.

2014 – 15 **Amie Settlecowski** (Tulane Newcomb Scholar and Senior) – Diversification of a Pantropical Radiation. Lab work includes DNA extractions, Sanger sequencing, NG sequencing, editing and aligning sequences, phylogenetic analyses. Attends weekly lab meeting. Funded by LA BoR SURE. **Current occupation: Graduate school, Taylor Lab at Louisiana State University.**

**Elizabeth Bramlett** (4+1) – Diversification of a Pantropical Radiation. Lab work includes DNA extractions and Sanger sequencing, editing and aligning sequences, phylogenetic analyses. Attends weekly lab meeting. Funded by Newcomb. **Current occupation: Biology school teacher in Dallas, TX.**

Kim Micotto (Tulane Junior) – Cognition and behavioral complexity. Lab work includes cognition analyses with captive zebra finches. Attends weekly lab meeting.

2013 – 14 **Catherine Rochefort** (Tulane Senior) – Urban dependent selection on song. Collecting data from song recordings and sound transmission experiments on software package SIGNAL. Includes use of macros and some scripting. Attends weekly lab meeting and keeps weekly progress notebook and data files. Independent Research and Capstone. **Current occupation: Graduate school in clinical psychology, Baldwin Lab at Southern Methodist University in Dallas, TX.**

Elizabeth Bramlett (Tulane Senior) – Diversification of a Pantropical Radiation. Lab work includes DNA extractions and Sanger sequencing, editing and aligning sequences. Attends weekly lab meeting. Volunteer.

**Kathleen Riley** (Tulane Senior) – Behavioral Isolation in a Hybrid Zone. Organization and maintenance of white-crowned sparrow data matrix. Collecting data from song recordings on the software package SIGNAL. Attends weekly lab meeting and keeps data files. Federal work study student. **Current occupation: Law school.**

Amie Settlecowski (Tulane Newcomb Scholar and Junior) – Diversification of a Pantropical Radiation. Lab work includes DNA extractions, Sanger sequencing, NG sequencing, editing and aligning sequences. Attends weekly lab meeting. Funded by CELT.

Natasha Lowery (Tulane Sophomore) – Song learning accuracy and signal evolution. Collecting data from song recordings from song learning experiments on software package SIGNAL. Includes use of macros and some scripting. Attends weekly lab meeting and keeps weekly progress notebook and data files. Funded by CELT.

Jennifer Janowsky (Tulane Freshman) – New recruit. Attends weekly lab meeting.

2012 – 13 **Catherine Rochefort** (Tulane Junior) – Urban dependent selection on song. Field assistant for 8 weeks in California. Primary responsibility, recording bird song and conducting sound transmission experiments. Attended weekly lab meetings, directed reading and summary of methods for sound transmission experiment. Independent Research and funded by Board of Regents RCS.

Elizabeth Bramlett (Tulane Junior) – Diversification of a Pantropical Radiation. Lab work includes DNA extractions and Sanger sequencing, editing and aligning sequences. Attends weekly lab meeting. Federal work study student. Awarded REU at AMNH in summer 2013.



Amie Settlekowski (Tulane Newcomb Scholar and Sophomore) – Diversification of a Pantropical Radiation. Lab work includes DNA extractions, Sanger sequencing, NG sequencing, editing and aligning sequences. Attends weekly lab meeting. Funded by Newcomb.

Natasha Lowery (Tulane Freshman) – New recruit. Learning how to collect data from song recordings on software package SIGNAL. Attends weekly lab meeting. Volunteer.

2007 – 12 LSU: Samantha Fields, Samantha Baker, Danielle Ward – Diversification of a Neotropical Radiation. Lab work including DNA extractions and Sanger sequencing.

2000 – 07 Jason Styons (Duke University) – The Role of Ecological Selection in Signal Evolution. Trained and collected data characterizing vegetation density on white-crowned sparrow territories in five populations from aerial photographs.

**Winnie Ho** (UC Davis) – supervised independent research project on nestling begging behavior at Tioga Pass Meadow. **Current occupation: Graduate school, Smith Lab at Indiana University.**

**Alexa Class** (UC Davis) – supervised as field intern at Tioga Pass Meadow. Trained in netting, banding, handling, collection of morphological measurements, nest searching and checking. **Current occupation: Cornell University Academic Staff.**

Serica Zwack (UC Davis) – supervised as field intern at Tioga Pass Meadow. Trained in netting, banding, handling, collection of morphological measurements, nest searching and checking.

**Michelle Costanzo** (UC Davis) – supervised as field intern at Tioga Pass Meadow. Trained in netting, banding, handling, collection of morphological measurements, nest searching and checking. **Current occupation: Research Psychophysicist, Department of Defense.**

#### **UNDERGRADUATE CAPSTONE ADVISEES**

2014 – 15 Amie Settlekowski. *Evolutionary history and biogeography of a group of tropical forest birds*  
Adam Rouan. *When good dogs go bad: exploring the human influence on behavior.*

2013 – 14 Hallie Anderson. *Efficacy of zoonotic vaccines in preventing Lyme disease.*  
Elizabeth Bramlett. *The limitations of species concepts in the context of modern biology.*  
Catherine Rochefort. *Bird song transmission differences in urban and rural environments.*

2012 – 13 Melissa Manus. *The conflict between human development and elephant movement: spatial and behavior implications for conservation.* Current occupation: Duke's MSc in Global Health program  
Erin Dooley. *The battle of interspecific brood parasitism: host and parasite coevolution.*  
Taylor Miller. *Effects of Urbanization on Avian Vocalizations and Fitness.*

#### **UNIVERSITY COMMITTEES**

2015 Tulane Forum

#### **SCHOOL OF SCIENCE AND ENGINEERING COMMITTEES**

2014 CIF Task Force, Core Facilities Committee

#### **DEPARTMENTAL COMMITTEES**

2015 Search Committee, Assistant Professor, Ecology and Evolutionary Biology.

2014 Masters Budget Committee

2014 Interim Committee Member, Graduate Studies Committee.

2013 Search Committee, Professor of the Practice, Marine and Coastal Sciences.

2011 Interim Chair, Undergraduate Committee, Development of 5-year Strategic Plan.

### **DEPARTMENTAL SERVICE**

2013 – now Shared Molecular Facilities, Israel Building, faculty supervisor

2012 – now Hathaway Lecture, Seminar Organizer