

STEPHANIE M. AGUILLON

last updated 2 Sept 2017

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Education:

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| PhD | Cornell University, Department of Ecology and Evolutionary Biology Advisors: Dr. Richard G. Harrison (deceased) and Dr. Irby J. Lovette Committee: Irby J. Lovette (chair), Jeremy Searle, Maren Vitousek | 2014–pres. |
| MS | University of Arizona, Department of Ecology and Evolutionary Biology Accelerated Master's Program Advisor: Dr. Renée A. Duckworth | 2014 |
| BS | University of Arizona, Department of Ecology and Evolutionary Biology Summa Cum Laude and with Honors Honors Thesis Advisor: Dr. Renée A. Duckworth | 2013 |

Peer-Reviewed Publications:

5. Ballen, CJ, **SM Aguillon**, R Brunelli, AG Drake, D Monti, D Wassenberg, S Weiss, KR Zamudio, S Cotner. *In review*. Do small classes reduce performance gaps in STEM?
4. Predick, KI, SR Archer, **SM Aguillon**, DA Keller, HL Throop, PW Barnes. *In review*. UV-B radiation and shrub canopy effects on surface litter decomposition in a shrub-invaded dry grassland.
3. **Aguillon, SM**, JW Fitzpatrick, R Bowman, SJ Schoech, AG Clark, G Coop, N Chen. 2017. Deconstructing isolation-by-distance: the genomic consequences of limited dispersal. *PLOS Genetics* 13(8): e1006911. (cover article)
2. Duckworth, RA and **SM Aguillon**. 2015. Eco-evolutionary dynamics: investigating multiple pathways linking changes in behavior, population density and natural selection. *Journal of Ornithology* 256 (Suppl 1): S115-S124.
1. **Aguillon, SM** and RA Duckworth. 2015. Kin aggression and resource availability influence phenotype-dependent dispersal in a passerine bird. *Behavioral Ecology and Sociobiology* 69(4): 625-633.

Fellowships, Grants, and Awards:

Fellowships (\$173,048+):

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| Ivy Fellowship, Cornell Lab of Ornithology (\$5300; summer support) | 2017 |
| SUNY Graduate Diversity Fellowship (\$65,748 + tuition and healthcare) | 2014 |
| NSF Graduate Research Fellowship (\$102,000 + tuition and healthcare) | 2013 |

Grants (\$31,400):

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| Cornell University EEB Dept., Richard G. Harrison Fund (\$1200) | 2017 |
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| Cornell University CALS, Andrew W. Mellon Student Research Grant (\$1000) | 2017 |
| Cornell Lab of Ornithology, Athena Fund Grant (\$12,000) | 2017 |
| Cornell University EEB Dept., Richard G. Harrison Fund (\$1200) | 2016 |
| Sigma Xi – Cornell University Chapter, Research Grant (\$600) | 2016 |
| Cornell Lab of Ornithology, Sally Merrill Sutcliffe Endowment for Cornell Students, UG field support (\$1500) | 2016 |
| Cornell University EEB Dept., Betty Miller Francis '47 Fund for Field Research, UG field support (\$2700) | 2016 |
| Garden Club of America, Frances M. Peacock Scholarship for Native Bird Habitat (\$4500) | 2016 |
| Cornell Lab of Ornithology, Athena Fund Grant (\$3000) | 2015 |
| Cornell University EEB Dept., Paul P. Feeny Graduate Student Research Fund (\$1200) | 2015 |
| Wilson Ornithological Society, Research Award (\$1500) | 2015 |
| Cornell University CALS, Andrew W. Mellon Student Research Grant (\$1000) | 2015 |

Awards:

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| Cooper Ornithological Society, Frances F. Roberts Student Presentation Award (\$300) | 2014 |
| University of Arizona, Galileo Circle Scholar Award (\$500) | 2013 |
| University of Arizona, Dept. Ecology and Evolutionary Biology Outstanding Senior | 2013 |

Presentations:

- Aguillon, SM**, JW Fitzpatrick, R Bowman, SJ Schoech, AG Clark, G Coop, N Chen. 2017. *Using pedigrees and genomics to understand the consequences of limited dispersal*. Joint Meeting of the American Ornithology Society and the Society of Canadian Ornithologists. East Lansing, MI.
- Aguillon, SM**, RG Harrison, IJ Lovette. 2017. *Genomic data distinguish phenotypically distinct birds despite low levels of divergence*. Evolution. Portland, OR.
- Siegmund, G-F*, **SM Aguillon***, AG Drake, S Cotner, CJ Ballen. 2017. *Gender differences in student participation in an introductory biology classroom*. Teaching as Research National Conference. Ithaca, NY. (***equal contribution**)
- Chen, N, EJ Cosgrove, R Bowman, **SM Aguillon**, G Coop, JW Fitzpatrick, AG Clark (presenting author). 2017. *Genomic consequences of population decline in the endangered Florida Scrub-Jay*. Global Biodiversity Genomics Conference. Washington, D.C.
- Aguillon, SM**, IJ Lovette, RG Harrison. 2016. *Using genomics to characterize differentiation and hybridization in the Northern Flicker*. North American Ornithological Congress VI. Washington, D.C.
- Aguillon, SM**, JW Fitzpatrick, R Bowman, SJ Schoech, AG Clark, G Coop (presenting author), N Chen. 2016. *Using pedigrees and genomics to understand the consequences of limited and sex-biased dispersal*. Evolution. Austin, TX.
- Aguillon, SM**, N Chen, JW Fitzpatrick, R Bowman, SJ Schoech, AG Clark. 2015. *Genomic consequences of sex-biased dispersal in a long-lived, cooperative bird*. Evolution. Guarujá, Brazil.
- Aguillon, SM** and RA Duckworth. 2014. *Resource-mediated behavioral dynamics among kin drive dispersal in first-year western bluebirds (Sialia mexicana)*. Joint Meeting of the American Ornithologists' Union, Cooper Ornithological Society, and the Society of Canadian Ornithologists. Estes Park, CO.

RA Duckworth and **SM Aguillon**. 2014. *Evolutionary feedback loops: population cycles as both a cause and consequence of individual variation in behavior*. International Ornithological Congress. Tokyo, Japan.

Aguillon, SM and RA Duckworth. 2013. *Cooperation and conflict among kin: disentangling the factors influencing dispersal in a passerine bird*. Joint Meeting of the American Ornithologists' Union and Cooper Ornithological Society. Chicago, IL.

Aguillon, SM, K Predick, EM Levi, JA Nelson, RL McCulley, HL Throop, PW Barnes, SR Archer. 2012. *Does UV radiation alter short-term leaf litter decomposition in contrasting dryland canopy regimes?* Ecological Society of America. Portland, OR.

Teaching Experience:

WRIT 1430: History, Literature, and Science of the Galápagos Islands Spring 2017
Instructor and Trip Leader, Cornell University

Scholarship of Teaching and Learning Program Fall 2016
Cornell University

BioEE 1780: Introduction to Evolutionary Biology and Diversity Fall 2016
Teaching Assistant, Cornell University

WRIT 1430: History, Literature, and Science of the Galápagos Islands Spring 2016
Writing Coach and Trip Leader, Cornell University

ECOL 484: Ornithology Spring 2014
Course Assistant and Guest Lecturer, University of Arizona

MATH 100: Preparation for University-Level Mathematics Fall 2011–Spring 2013
Instructor and Undergraduate Teaching Assistant, University of Arizona

Service and Outreach:

Peer Reviews for Academic Journals: The Auk: Ornithological Advances (1), Behavioral Ecology (1), Behavioral Ecology and Sociobiology (1), Evolution (1), The Wilson Journal of Ornithology (1)

EvoGroup 2015-present
Lead Organizer, Cornell University

EvoGroup is a graduate-led organization that brings together evolutionary biologists in the Cornell community for monthly seminars, an annual symposium in May (EvoDay), and other specialized events throughout the semester. I led the day-to-day organization of monthly seminars (including scheduling speakers and advertising) and workshops. I was the primary organizer for EvoDay 2015 (Evolution and Behavior) and supervised the organization of EvoDay 2016 and 2017. EvoDay symposiums average 14 talks from faculty, grad students, and post-docs from institutions in central/upstate New York and 120 attendees.

Dept. Ecology & Evolution Biology Diversity Recruitment Weekend 2016-pres.
Lead Organizer, Cornell University

The EEB graduate students created a group aimed at increasing diversity in the department and in the field as a whole. We organized and funded Cornell's first-ever Diversity Recruitment Weekend (21-23 April 2017), a weekend that brought in URM students *before* they applied to graduate programs. The students met faculty, learned about the department, and participated in various workshops. For DRW 2017, I led the committee on advertising and helped lead two workshops. For DRW 2018, I led the organization of the entire recruitment weekend.

FemSTEM Mentoring Program 2017
Mentor, Cornell University

Volunteered as a graduate student mentor in the FemSTEM program, which pairs graduate and professional women with STEM undergraduate women mentees.

Dept. Ecology & Evolutionary Biology Annual Symposium Dec 2016
Co-Organizer, Cornell University

Helped organize the 41st annual EEB December Symposium with 37 total talks by faculty and graduate students, 10 undergraduate posters, and a workshop on peer review.

Expanding Your Horizons (EYH) Conference 2015, 2016, 2017
Volunteer Workshop Leader, Cornell University

Co-led a workshop on evolutionary biology and ornithology for 9th grade girls, including an evolution simulation exercise, phylogenetic activities, and a demonstration of hands-on field ornithology methods.

Cornell Lab of Ornithology Centennial Event Sept 2015
Outreach volunteer, Cornell University

Interacted with the public during the Lab of Ornithology's Centennial open house. I discussed my research on northern flicker hybridization using museum specimens.

Graduate Students Mentoring Undergraduates (GSMU) Program 2015-2017
Mentor, Cornell University

Served as a graduate student mentor for undergraduate students in the GSMU Program, a program that prepares undergraduates for entrance into graduate programs.

Professional Societies:

American Ornithological Society (joined 2013); American Society of Naturalists (2015); Phi Beta Kappa (2012); Society for the Study of Evolution (2015); Wilson Ornithological Society (2013)