

STEPHANIE M. AGUILLON

last updated 17 Jan 2018

Cornell University, 215 Tower Rd.
Corson Hall, Dept. of Ecology and Evolutionary Biology
Ithaca, NY 14853

Email: sma256@cornell.edu
Website: stephanieaguillon.com

Education:

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

Peer-Reviewed Publications:

6. **Aguillon, SM**, L Campagna, RG Harrison, IJ Lovette. *In review*. A flicker of hope: Genomic data distinguish Northern Flicker taxa despite low levels of divergence.
5. Ballen, CJ, **SM Aguillon**, R Brunelli, AG Drake, D Monti, D Wassenberg, S Weiss, KR Zamudio, S Cotner. *In review*. Do small classes in higher education 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, recommended by Faculty of 1000)
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+):

- | | |
|--|------|
| 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 (\$39,560):

Athena Fund Grant, Cornell Lab of Ornithology (\$8,160)	2018
Richard G. Harrison Fund, Cornell EEB (\$1200)	2017
Andrew W. Mellon Student Research Grant, Cornell CALS (\$1000)	2017
Athena Fund Grant, Cornell Lab of Ornithology (\$12,000)	2017
Richard G. Harrison Fund, Cornell EEB (\$1200)	2016
Sigma Xi (Cornell Chapter) Research Grant (\$600)	2016
Sally Merrill Sutcliffe Endowment for Cornell Students, Cornell Lab of Ornithology (\$1500, UG support)	2016
Betty Miller Francis '47 Fund for Field Research, Cornell EEB, (\$2700, UG support)	2016
Peacock Scholarship for Native Bird Habitat, Garden Club of America (\$4500)	2016
Athena Fund Grant, Cornell Lab of Ornithology (\$3000)	2015
Paul P. Feeny Graduate Student Research Fund, Cornell EEB (\$1200)	2015
Wilson Ornithological Society, Research Award (\$1500)	2015
Andrew W. Mellon Student Research Grant, Cornell CALS (\$1000)	2015

Awards:

Cornelia Ye Outstanding Teaching Assistant Award (\$500)	2017
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 a unique bird to understand how dispersal shapes spatial patterns of genetic diversity*. British Ornithologists' Union 2017 Twitter Conference (#BOU17TC).
- 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
<i>Instructor and Trip Leader, Cornell University</i> | Spring 2017 |
| Scholarship of Teaching and Learning Program
<i>Cornell University</i> | Fall 2016 |
| BioEE 1780: Introduction to Evolutionary Biology and Diversity
<i>Teaching Assistant, Cornell University</i> | Fall 2016 |
| WRIT 1430: History, Literature, and Science of the Galápagos Islands
<i>Writing Coach and Trip Leader, Cornell University</i> | Spring 2016 |
| ECOL 484: Ornithology
<i>Course Assistant and Guest Lecturer, University of Arizona</i> | Spring 2014 |
| MATH 100: Preparation for University-Level Mathematics
<i>Instructor and Undergraduate Teaching Assistant, University of Arizona</i> | Fall 2011–Spring 2013 |

Service and Outreach:

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

- | | |
|--|-----------|
| EvoGroup
<i>Lead Organizer, Cornell University</i> | 2015-2017 |
|--|-----------|

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 & Evolutionary Biology Diversity Preview 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 Preview 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 DPW 2017, I led the committee on advertising and helped lead two workshops. For DPW 2018, I led the organization of the entire preview 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.

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 Genetic Association (joined 2017); American Ornithological Society (2013); American Society of Naturalists (2015); Phi Beta Kappa (2012); Society for the Study of Evolution (2015); Wilson Ornithological Society (2013)