

STEPHANIE M. AGUILLON

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Education:

PhD	Cornell University, Department of Ecology and Evolutionary Biology Advisors: Irby J. Lovette and Richard G. Harrison (deceased)	2014–pres.
MS	University of Arizona, Department of Ecology and Evolutionary Biology Advisor: Renée A. Duckworth	2014
BS	University of Arizona, Department of Ecology and Evolutionary Biology Summa Cum Laude and with Honors Honors Thesis Advisor: Renée A. Duckworth	2013

Publications:

7. Ballen, CJ, **SM Aguillon**, A Awwad, AE Bjune, D Challou, AG Drake, M Driessen, A Ellozy, VE Ferry, EE Goldberg, W Harcombe, C Jørgensen, Z Koth, S McGaugh, C Mitry, B Mosher, H Mostafa, RH Petipas, PAG Soneral, S Watters, D Wassenberg, SL Weiss, A Yonas, KR Zamudio, S Cotner. *In press*. Smaller classes promote equitable student participation in STEM. *BioScience*
6. Predick, KI, SR Archer, **SM Aguillon**, DA Keller, HL Throop, PW Barnes. 2018. UV-B radiation and shrub canopy effects on surface litter decomposition in a shrub-invaded dry grassland. *Journal of Arid Environments* 157(2018): 13-21.
5. Ballen, CJ, **SM Aguillon**, R Brunelli, AG Drake, D Monti, D Wassenberg, S Weiss, KR Zamudio, S Cotner. 2018. Do small classes in higher education reduce performance gaps in STEM? *BioScience* 68(8): 593-600.
4. **Aguillon, SM**, L Campagna, RG Harrison, IJ Lovette. 2018. A flicker of hope: Genomic data distinguish Northern Flicker taxa despite low levels of divergence. *The Auk: Ornithological Advances* 135(3): 748-766.
Popular press about this article: [All About Birds](#), [The Auk](#), [Avian Hybrids](#)
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)
Popular press about this article: [The Molecular Ecologist](#), [PLOS Biologue](#), [F1000](#)
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.

—In Review—

1. **Aguillon, SM***, G-F Siegmund*, RH Petipas, AG Drake, S Cotner, CJ Ballen. *In review*. Gender differences in student participation in an active learning classroom. (*equal contribution)

Other Published Works:

2. **Aguillon, SM**. 2019. Fighting through the gray. *Science* 363(6431): 1114.
1. **Aguillon, SM** and IJ Lovette. 2019. NACC Proposal (2019-A-10): Change the specific/subspecific/morphological group name of the Red-shafted Flicker from *cafer* to *lathami*. <http://checklist.aou.org/assets/proposals/PDF/2019-A.pdf>

Fellowships, Grants, and Awards:

Fellowships (\$188,281+):

AAUW American Dissertation Fellowship alternate	2019
Provost Diversity Fellowship, Cornell University (\$15,233 + tuition and healthcare)	2019
Ivy Fellowship, Cornell Lab of Ornithology (\$5,300)	2017
SUNY Graduate Diversity Fellowship (\$65,748 + tuition and healthcare)	2014
NSF Graduate Research Fellowship (\$102,000 + tuition and healthcare)	2013

Grants (\$42,760):

American Ornithological Society Hesse Award (\$2,000)	2018
Richard G. Harrison Fund, Cornell University (\$1,200)	2018
Cornell Lab of Ornithology Athena Fund (\$8,160)	2018
Richard G. Harrison Fund, Cornell University (\$1,200)	2017
Andrew W. Mellon Student Research Grant, Cornell University (\$1,000)	2017
Cornell Lab of Ornithology Athena Fund (\$12,000)	2017
Richard G. Harrison Fund, Cornell University (\$1,200)	2016
Cornell Sigma Xi Grant in Aid of Research (\$600)	2016
Sally Merrill Sutcliffe Endowment, Cornell Lab of Ornithology (\$1,500)	2016
Betty Miller Francis '47 Fund for Field Research, Cornell University (\$2,700)	2016
Garden Club of America Peacock Scholarship for Native Bird Habitat (\$4,500)	2016
Cornell Lab of Ornithology Athena Fund (\$3,000)	2015
Paul P. Feeny Graduate Student Research Fund, Cornell University (\$1,200)	2015
Wilson Ornithological Society Research Award (\$1,500)	2015
Andrew W. Mellon Student Research Grant, Cornell University (\$1,000)	2015

Awards:

Cornelia Ye Outstanding Teaching Assistant Award, Cornell University (\$500)	2017
Frances F. Roberts Student Presentation Award, Cooper Ornithological Society (\$300)	2014
Galileo Circle Scholar Award, University of Arizona (\$500)	2013
Ecology and Evolutionary Biology Outstanding Senior, University of Arizona	2013

Presentations:

(** invited presentation)

- Sept 2019. **American Fisheries Society and The Wildlife Society Joint Conference** (Reno, NV). 1 co-authored talk.
- **Aug 2019. **European Society for Evolutionary Biology** (Turku, Finland). 1 co-authored talk.
- **June 2019. **American Ornithological Society** (Anchorage, AK). 1 first authored talk, 1 co-authored talk.
- **June 2019. **Evolution** (Providence, RI). 1 co-authored talk.
- **May 2019. **Connecting Research and Teaching** (Ithaca, NY). 1 co-first authored talk.
- **Nov 2018. **Cornell University's EvoGroup Seminar** (Ithaca, NY). 1 first authored talk.
- Aug 2018. **Evolution** (Montpellier, France). 1 first authored poster.
- April 2018. **American Ornithological Society** (Tucson, AZ). 1 first authored talk.
- Nov 2017. **British Ornithologists' Union Twitter Conference**. 1 first authored talk.
- Aug 2017. **American Ornithological Society and Society of Canadian Ornithologists Joint Meeting** (East Lansing, MI). 1 first authored talk and 1 first authored poster.
- June 2017. **Evolution** (Portland, OR). 1 first authored poster.
- June 2017. **Teaching as Research National Conference** (Ithaca, NY). 1 co-first authored poster.
- Feb 2017. **Global Biodiversity Genomics** (Washington DC). 1 co-authored talk.
- **Nov 2016. **Cornell University's Ornithology Seminar** (Ithaca, NY). 1 first authored talk.
- Aug 2016. **North American Ornithological Congress VI** (Washington DC). 1 first authored talk.
- June 2016. **Evolution** (Austion, TX). 1 first authored talk presented by co-author.
- June 2015. **Evolution** (Guarujá, Brazil). 1 first authored poster.
- Sept 2014. **American Ornithologists' Union, Cooper Ornithological Society, and the Society of Canadian Ornithologists Joint Meeting** (Estes Park, CO). 1 first authored talk.
- Aug 2014. **26th International Ornithological Congress** (Tokyo, Japan). 1 co-authored talk.
- Aug 2013. **American Ornithologists' Union and Cooper Ornithological Society Joint Meeting** (Chicago, IL). 1 first authored poster.
- Aug 2012. **Ecological Society of America** (Portland, OR). 1 first authored poster.

Teaching Experience:

WRIT 1430: History, Literature, and Science of the Galápagos Islands Spring 2017

Instructor and Trip Leader, Cornell University

I was the instructor of record for this First-year Writing Seminar focused on human interactions with the Galápagos throughout history. I coordinated all aspects of the course, including developing lecture materials, selecting readings, and developing essay prompts. Additionally, I helped lead the trip to the Galápagos, which provided hands-on experiential learning for the students.

BioEE 1780: Introduction to Evolutionary Biology and Diversity Fall 2016

Teaching Assistant, Cornell University

I led three weekly discussion sections on topics ranging from reading phylogenetic trees and understanding the diversity of life to hybrid zones and population genetics.

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

I served as a writing coach, providing in-depth comments and revisions to student essays during the semester. I helped lead the trip to the Galápagos, which included preparing writing prompts, leading discussions, and facilitating hands-on learning.

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

I revised course materials for the laboratory component of the course, as well as created new assignments to better facilitate student comprehension. Additionally, I helped lead birding field trips and guest lectured on territoriality and cooperative behavior in birds.

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

I taught and tutored mathematics to first-years unable to pass the math placement exam. I created lessons and a comprehensive notes packet, which was sold at the university bookstore as required course material. During the 2012 winter session, I was the primary instructor for the course: I managed daily classes, scheduled exams, assigned and graded homework, and was the immediate supervisor for the other Teaching Assistants.

Service and Engagement:

Reviewer (15 total): *Ardea*, *Animal Behaviour*, *The Auk: Ornithological Advances*, *Behavioral Ecology*, *Behavioral Ecology and Sociobiology*, *The Biological Journal of the Linnean Society*, *Evolution*, *Molecular Ecology*, *Systematic Biology*, *The Wilson Journal of Ornithology*

Diversity Preview Weekend (DPW) 2016-pres.
Lead Organizer, Cornell University

DPW is an event that brings in students from underrepresented backgrounds who are interested in pursuing graduate school. Attendees participate in workshops, meet faculty, and learn about the application process. This event was conceived and organized entirely by graduate students (particularly those from EEB). In 2017, I led the advertising committee and helped lead two workshops. In 2018, I coordinated the organization of the entire weekend (inviting 40 students from 16 states, Guam, and Puerto Rico with full funding). I am currently overseeing the transition and transfer of knowledge to new organizers for the third annual event.

EvoGroup 2015-2018
President and Symposium 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 and workshops (including scheduling speakers and advertising). I was the primary organizer for EvoDay 2015 (Evolution and Behavior) and supervised the organization of EvoDay 2016 and 2017. EvoDay typically includes 14 talks and 120+ attendees.

Panel on Diverse Graduate Student Experiences 2018

Invited Panelist, Doris Duke Conservation Scholars, Cornell University

FemSTEM Mentoring Program 2017
Graduate Student Mentor, Cornell University

Ecology and Evolutionary Biology Departmental Symposium 2016
Co-Organizer, Cornell University

Expanding Your Horizons (EYH) Conference 2015- 2017, 2019
Workshop Leader & General Volunteer, Cornell University

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

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)