

# KATHERINE ANGIER

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## EDUCATION

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### Princeton University

June 2018

A.B. in Ecology & Evolutionary Biology, *summa cum laude*  
Certificate in Quantitative & Computational Biology

## APPOINTMENTS

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### Ph.D. Candidate

Harvard University

Department of Organismic & Evolutionary Biology

2020 - Present

- Led field expedition to Odzala-Kokoua National Park, Republic of the Congo for largest ever termite sampling effort in the region
- Investigated fire responses in the East African ant acacia, *Vachellia drepanolobium* and published findings as co-first author in *Ecology & Evolution*, led summer field season at Mpala Research Centre, Laikipia, Kenya
- Relevant Coursework: Remote Sensing; Molecular Ecology; Entomology; Biology of Fungi
- Teaching Fellowships: Conservation Biology; Integrated Science

### Environmental Defense Fund

Raleigh, NC

Cuba Sustainable Agriculture Fellow

2018 - 2020

- Coordinated expansion of marine-focused work in Cuba to include collaboration with the agricultural sector, working with scientists and farmers in the U.S. and Cuba to promote exchange of knowledge and experience
- Organized two scientific meetings in Havana, one on climate and sustainable development finance and one on sustainable coastal and agricultural land management, including the role of remote sensing in conservation

## PUBLICATIONS

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Rabideau-Childers, R.\*, **Angier, K.I.W.\***, Dean, B.Z.M.\* ... Pierce, N.E. (2021) Evidence of nutrient translocation in response to smoke exposure by the East African ant acacia, *Vachellia drepanolobium*. *Ecology & Evolution*, **12**. <https://doi.org/10.1002/ece3.8244>

Derkarabetian, S., Lord, A., **Angier, K.I.W.**, Frigyyik, E., Giribet, G. (2023) An Opiliones-specific ultraconserved element probe set with a near-complete family-level phylogeny. *Molecular Phylogenetics & Evolution*, **187**. <https://doi.org/10.1016/j.ympev.2023.107887>

## RESEARCH EXPERIENCE

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### Princeton University

Princeton, NJ/Barro Colorado Island, Panama

Undergraduate Researcher with Dr. Stephen W. Pacala

2016 - 2018

- *Senior Thesis*: designed and implemented experiment on Barro Colorado Island, Panama, analyzing the facultative mutualism between ants and the neotropical tree genus *Inga* as a function of plant size, using observational surveys, manipulative experiments, and logistic regression
- Discovered previously undocumented difference in ant presence, significantly higher on larger plants
- Presented findings at STRI BCI weekly talks and the Ecology and Evolutionary Biology Senior Poster Session

### Princeton University

Princeton, NJ

Research Intern with Dr. Amanda A. Amodeo

Summer 2015 - Summer 2016

- Measured and compared histone levels and nucleo-cytoplasmic ratio at the midblastula transition across *Drosophila* species using Western blots and fluorescent confocal microscopy
- Presented findings at the Princeton MolBio and QCB Summer Undergraduate Research Program Poster Session

### U.S. Department of Agriculture Bee Research Lab

Beltsville, MD

Research Intern with Dr. Jay D. Evans

Summer 2013

- Found synergistic effects on bees of neonicotinoid pesticide Imidacloprid and the Kashmir Bee Virus
- Presented findings at Montgomery Blair High School Science, Mathematics and Computer Science Magnet Senior Poster Session

**Smithsonian Tropical Research Institute**

Field Assistant of Dr. Janeene M. Touchton

Barro Colorado Island, Panama

Summer 2012

- Recorded behavioral changes in spotted antbirds following the extinction of their dominant competitor

**FELLOWSHIPS, GRANTS, AND AWARDS**

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<b>Putnam Expedition Grant</b> , Harvard University	2022
<b>Ashford Fellowship</b> , Harvard University	2020
<b>Milton Fund Grant</b> , Harvard University	2020
<b>High Meadows Fellowship</b> , Princeton University	2018
<b>Sigma Xi Book Award</b> , Princeton University	2018

**OUTREACH**

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<b>President</b> , Cambridge Entomological Club	2021 - Present
<b>Member</b> , Committee on Diversity, Inclusion and Belonging, OEB Dept., Harvard University	2020 - Present
<b>High School Tutor</b> , Public School Partnerships, Harvard University	2020
<b>Coordinator</b> , Symposium on Sustainable Agriculture, Havana, Cuba	2020
<b>Invited Speaker</b> , Dr. Walter Leal, Entomological Society of America Conference, St. Louis	2019
<b>Coordinator</b> , Seminar on Climate Finance and Sustainable Development, Havana, Cuba	2019
<b>Community Outreach Volunteer</b> , North Carolina Museum of Natural Sciences	2019 - 2020
<b>Senior Chair</b> , Undergraduate Committee, EEB Dept., Princeton University	2017 - 2018
<b>Speaker</b> , Smithsonian Tropical Research Institute research talk series, BCI, Panama	2017

**ADDITIONAL INTERESTS**

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<b>Music:</b> Organist at St. Philip's Episcopal Church, and now Harvard Episcopalian	2018 - 2020, 2020 - Present
<b>Martial Arts:</b> Black belt in karate, Instructor at the American Academy of Karate, MD	2017 - 2018
<b>Language:</b> Fluent in Spanish, Translator at Casa de Maryland	2016 - 2018