

ALISON H. HARRINGTON

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Department of Ecology & Evolutionary Biology (EEB)
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EDUCATION

- Ph.D Student**, Ecology & Evolutionary Biology, University of Arizona, Tucson 2016 -
Advisor: A. Elizabeth Arnold
Coursework GPA: 3.96
- BA in Biology**, Hendrix College, Conway, AR 2010- 2014
Graduated with Distinction in Major, GPA: 3.54
Member of βββ Biological Honors Society
Minor in Spanish

PUBLICATIONS

A.H. Harrington, M. Del Olmo-Ruiz, D.C. Sandberg, M.T. Hoffman, Y.-L. Huang, J.M. U'Ren, and A.E. Arnold. In revision. *Coniochaeta endophytica*, a novel endophyte of *Platyclusus orientalis*.

Linnakoski, R., Mahilainen S., **Harrington A.**, Vanhanen H., Eriksson M., Mehtätalo L., Pappinen A., Wingfield, M.J. 2016. Seasonal succession of fungi associated with *Ips typographus* beetles and their phoretic mites in an outbreak region of Finland. PLoS ONE 11(5): e0155622. doi:10.1371/journal.pone.0155622

Harrington, A., A. Bigott, et al. 2014. Sampling local fungal diversity in an undergraduate laboratory using DNA barcoding. Journal of the Arkansas Academy of Science 68: 65-72.

Pritmohinder, G., Bhattacharyya S., **Harrington A.**, Letzig L., McCullough S., James L. 2014. microRNA upregulation and acetaminophen protein adducts in acetaminophen toxicity in children. The FASEB Journal 28: 653.2.

GRANTS, SCHOLARSHIPS, & FELLOWSHIPS

- NSF Graduate Research Fellowship**, \$138,000 2018-
- Organization of Tropical Studies Course Scholarship**, \$800, *declined* 2016
- Thomas J. Watson Fellowship**, \$28,000 2015
Traveled independently through Southeast Asia, Southern Africa, North Africa, Europe, and Central America for one year exploring the biology, ecology, and human use of fungi in different contexts, supported by a grant from the associated Foundation.
Project blog: tracingmycelium.blogspot.com
- Hendrix-in-Madrid Scholarship** 2012

Received scholarship to cover tuition and board for one-month Spanish language immersion course from the Hendrix-Murphy Foundation

AWARDS & HONORS

- NSF Graduate Research Fellowship**, Honorable Mention 2016
- Departmental Honors: Distinction in Biology**, Hendrix College 2014

PRESENTATIONS

- Mycological Society of America Annual Meeting** 2016
Fungal community overlap and assemblage mismatch between *Ips typographus* and its phoretic mites

TEACHING & OUTREACH

- Biotechnology Laboratory for Arizona Students and Teachers (BLAST)** 6/2017
BLAST is a three-week long hands-on summer course on microbiology, molecular biology, and symbiosis, taught at Tucson Magnet High School, in which local high school students develop and perform a small research project. I taught sections on sequencing DNA and using public databases to identify microbes, and spent over 40 hours assisting students on their research projects.

- Science and Nature in Tandem with Youth (SANITY)** 5/2017
SANITY is a 9-day summer research internship for Arizona high school students at the Southwest Research Station in the Chiricahua Mountains. I led small student groups to collect mycorrhizal fungi-colonized root tips and helped students analyze the resulting data.

- Fungi and Molecular Ecology (FAME)** 3/2017
FAME exposes local high school students to microbiological isolation methods, the diversity of fungal life, basic molecular techniques, and research lab function. I gave lab and fungal herbarium tours, discussed fungal diversity, and talked about my path to being a scientist with small groups of students.

- Teaching Assistant, Ecology 302** 8/2016 - 5/2016, 8/2017 - 5/2017
Led two lab sections in Drs. Bronstein and Dlugosch's undergraduate ecology course, in which I guided field trips and indoor labs, and gave brief lectures.

- Teaching Assistant, Introduction to Ecology & Evol Biology.** 1/2017 - 5/2017, 1/2018 - 5/2018
Led two lab sections in the general introductory course, and collaborated on the design of a fungal diversity and molecular phylogeny module for the course.

- Girls in STEM at Tulane (GIST) Workshop** 11/2016
Led middle-to-highschool students in a workshop exploring hidden fungal diversity through culture-based methods, with the aim of increasing the participation of young women in STEM

- Lost & Found Fungi Project Assistant** 1/2015 - 5/2015
Developed target species information sheets, analyzed fungal herbarium specimens, accessed information in various databases, mapped species distribution, and joined targeted surveys while assisting the Lost & Found Fungi citizen science conservation project at the Royal Botanic Gardens, Kew (United Kingdom)

LEADERSHIP AND SERVICE

University of Arizona GPSC Travel Grants Judge 5/2017, 9/2017

Departmental Graduate Student Representative 2017-2018
Attended faculty meetings, organized student events

PROFESSIONAL MEMBERSHIPS

Mycological Society of America 2015 -