

Joshua Fowler

Curriculum vitae

Department of BioSciences
Rice University
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(he/him/his)

Education

Ph.D. Student in Ecology and Evolutionary Biology	2018–present
– Rice University , Houston, TX	
BS in Ecology and Evolutionary Biology and BA in French	2013–2017
– University of Arizona , Tucson, AZ	
National Student Exchange Program	2015–2015
– Université de Montréal , Montréal, Québec, Canada	

Research Experience

Graduate Research Assistant	2018–present
– Miller Lab, Rice University	
Mt. Rainier and North Cascades Field Research Intern and Crew Leader	2017–2018
– HilleRisLambers Lab, University of Washington	
Undergraduate Research Assistant	2016–2017
– Evans Dendroecology Lab, Laboratory of Tree-Ring Research, University of Arizona	
Undergraduate Field and Lab Assistant	2016–2017
– Dlugosch lab, University of Arizona, with Dr. David Hembry (postdoctoral researcher)	
Undergraduate Field Research Assistant (Volunteer)	2016–2016
– Enquist Lab, University of Arizona	

Publications

2018

Evans MEK, Gugger PF, Lynch AM, Guiterman CH, **Fowler JC**, Klesse S, Riordin EC (2018) Dendroecology meets genomics in the common garden: new insights into climate adaptation. *New Phytologist*, 218(2):401–403, doi:10.1111/nph.15094.

Presentations and Posters

2019

Fowler JC, Whitney KD, Rudgers JA, Miller TEX (2019, August) Vertically transmitted symbionts buffer host demographic variability. Poster session presented at the Annual BioSciences Retreat, Rice University, Houston, TX.

Fowler JC, Whitney KD, Rudgers JA, Miller TEX (2019, January) Vertically transmitted symbionts buffer host demographic variability. Poster session presented at the Sixth Annual Evolutionary Demography Society Meeting, University of Miami, Coral Gables, FL.

Academic Awards, Grants and Scholarships

Texas EcoLabs Funding Opportunity	2019
– "Environmental drivers of grass-endophyte symbiosis across the longitudinal precipitation gradient of Texas" (\$6,479)	
East-DeMarco Graduate Student Academic Scholarship	2018

– Conferred by the Dean of Natural Sciences Office, Rice University (\$2000)	
First Year Graduate Student Scholarship	2018
– Conferred by the Dean of Graduate Studies Office, Rice University (\$2000)	
4 x Dean’s List and 2 x Dean’s List with Distinction	2013-2017
– University of Arizona	
National Merit Finalist Scholarship	2013
– University of Arizona (\$120,000)	

Mentoring and Teaching Experience

Graduate TA Rice University	
Courses taught:	
– EBIO412: Advanced Communication in Biological Science	2019
– EBIO325: Ecology	2018
Undergraduate Research Mentor	
– Lani Dufresne, EBIO 306	2019
– Kyle Dickens, Miller Lab Summer REU student	2018
Undergraduate Preceptor for Conservation Biology	2015
– University of Arizona, taught by Dr. Margaret Evans	
Tutor for intro biology, physics and French	2015
– University of Arizona Salt Center	

Community Involvement and Leadership

Rice EEB GSA	08/2019–present
– Served as treasurer the departmental GSA.	
Rice EEB School Outreach Program	01/2019–05/2019
– Visited middle and high schools around the Houston area providing lecture materials and activities.	
Houston Science Olympiad Exam writer	12/2018
– Wrote exam questions for the herpetology exam for Houston’s Science Olympiad competition.	
Rice University Triathlon Club	08/2018–present
– Served as club president.	01/2019–01/2020
Greening the Game	08/2016–05/2017
– With Students for Sustainability, sorted recycling and compostable materials from trash at the U of A football and basketball games with the goal of having zero-waste events, and sustainable, environmentally friendly sports.	