Wade Dismukes
Graduate candidate

Curriculum Vitae
September 2021

📍 Department of Ecology, Evolution and Organismal Biology, Iowa State University
🏠 wadedismukes.github.io
✉ waded@iastate.edu
🐦 @wadedismukes
○ wadedismukes
in wadedismukes

About me
➤ Currently a graduate candidate at Iowa State university. My advisor is Dr. Tracy Heath.
➤ My Research Interests: cophylogenetics, host-symbiont evolution, Bayesian phylogenetic methods, scientific software

Education

2011-2016	**B.S. in Mathematics** Columbia, Missouri, USA	University of Missouri - Columbia
2011-2016	**B.S. in Biology** Columbia, Missouri, USA	University of Missouri - Columbia
2016-Present	**PhD. in Ecology and Evolutionary Biology** Ames, Iowa, USA	Iowa State University

Teaching Experience

Fall 2021	**Graduate Teaching Assistant** Iowa State University ➤ Introductory Biology Lab
Spring 2018	**Graduate Teaching Assistant** Iowa State University ➤ Human Physiology Lab
Fall 2017	**Graduate Teaching Assistant** Iowa State University ➤ Introductory Biology Lab

Awards and Fellowships

2018	**Travel Award** EEB program, Iowa State University
2016	**Graduate Research Fellowship** National Science Foundation
2016	**Miller Scholarship** Iowa State University
2016	**Presidential Scholarship** Iowa State University
2016	**Young Botanist of the Year** Botanical Society of America
2016	**Colonel Arthur Allen Scholarship** University of Missouri
2014	**Undergraduate Research Travel Award** University of Missouri
2014	**Life Sciences Undergraduate Research Opportunity** University of Missouri
2013	**Undergraduate Research Travel Award** University of Missouri
2013	**Monsanto Undergraduate Research Fund** University of Missouri
2012	**Howard Hughes Research Fellowship** Howard Hughes Medical Institute
2011	**Howard Hughes Research Apprenticeship** Howard Hughes Medical Institute

Publications

1. Mabry, M. E., Brose, J. M., Blischak, P. D., Sutherland, B., Dismukes, W. T., Bottoms, C. A., Edger, P. P., Washburn, J. D., An, H., Hall, J. C.others. (2020). Phylogeny and multiple independent whole-genome duplication events in the brassicales. *American Journal of Botany*, *107*(8), 1148–1164.
2. Dismukes, W. T., & Heath, T. A. (2021). Treeducken: An r package for simulating cophylogenetics systems. *In Review*.
3. Dismukes, W. (2021). *Treeducken: A simulator for nested phylogenies*. https://CRAN.R-project.org/package= treeducken

Workshops and Hackathons

Stay-at-Home RevBayes Workshop	**April 21 - 30, 2021** Online-only
Stay-at-Home RevBayes Workshop	**July 13 - 23, 2020** Online-only
RevBayes Hackathon	**August 13 - 17, 2018** LBBE, Lyon, France
RevBayes Hackathon	**March 1-5, 2018** University of Minnesota, Minneapolis, Minnesota
NIMBioS RevBayes Workshop	**August 1 - 5, 2017** NIMBioS, Knoxville, Tennessee
Woods Hole Workshop on Molecular Evolution	**July 22 - 31, 2013** Woods Hole, Massachusetts

Software

➤ RevBayes (C/C++) - Bayesian phylogenetic inference using probabilistic graphical model and an interpreted language (developer; http://revbayes.github.io)
➤ treeducken (R,C++) - R package for simulation of cophylognetic data (creator, maintainer, https://cran.r-project.org/ web/packages/treeducken/index.html)

Outreach

2013-2016	**Undergraduate Reach Ambassador at University of Missouri** University of Missouri ➤ Fostered the participation of undergraduate students in research, organized an annual undergraduate research symposium
2018, 2021	**Preparing Summer Undergraduate Research Applications for Underrepresented Students** Iowa State STEM Scholars Program Workshop ➤ Provided advice, personal experiences of getting into research, and 1-on-1 editing of application materials.

Professional Service

➤ Ecology, Evolution and Organismal Biology Graduate Student Organization - President, 2019 - 2021, Iowa State University
➤ Graduate Research in Ecology and Evolutionary Biology - Treasurer, 2018 - 2019, Iowa State University

Professional Affiliations

➤ Society of Systematic Biology
➤ American Society of Naturalists
➤ Phi Beta Kappa, Alpha of Missouri chapter

Other skills

➤ Programming languages: advanced skills in C++ and R; basic skills in Python, Matlab and Javascript
➤ Experience with Bash scripting, Unix command-line tools, HPC clusters and schedulers
➤ Familiar with software management tools Git and Travis
➤ Experience with Docker
➤ Proficient in HTML and CSS