

CARINA A. BASKETT

MSU Department of Plant Biology • 612 Wilson Rd, Room #242 • East Lansing, MI 48824
Phone: (517) 432-5285 • Email: baskettc@msu.edu • Website: <http://www.msu.edu/~baskettc>

EDUCATION

Currently Enrolled: PhD Candidate, Michigan State University
Department of Plant Biology; Ecology, Evolutionary Biology, and Behavior Program (EEBB)
Dissertation advisor: Dr. Douglas Schemske
Expected Degree: PhD, May 2018
GPA: 4.00

Undergraduate Education: Rice University, Department of Ecology and Evolutionary Biology
Degree: B.S., *cum laude*, May 2010
GPA: 3.90

FELLOWSHIPS AND AWARDS

NSF Doctoral Dissertation Improvement Grant 2017-2018 (amount TBD)
NSF Graduate Research Fellowship 2012-2015 (\$132,000)
Michigan State University Distinguished Fellowship 2011-2012, 2015-2016 (\$80,000)
Michigan State University Dr. Marvin Hensley Endowed Fellowship 2015 (\$8,000)
Thomas J. Watson Fellowship 2010-2011 (\$25,000)—*independent study abroad in Ecuador, Chile, Panama, and Spain*
Barry M. Goldwater Scholarship 2008-2010 (\$15,000)
Mellon Mays Undergraduate Fellowship 2008-2010 (\$10,000)
Julian Huxley Award for Excellence in Ecology and Evolutionary Biology at Rice U. 2010
Rice Undergraduate Research Symposium 1st Prize Poster in Ecology and Evo. Biology 2008
Trees for Houston Arbor Day Award 2010
Rice University Trustee Distinguished Scholarship 2006-2010 (\$40,000)

RESEARCH AND TRAVEL GRANTS

Organization for Tropical Studies Research Fellowship 2015 (\$4,200)—*Emily Foster Fellowship*
MSU BEACON (NSF Science and Technology Center) Research Grants, co-PI,
2014-16 (\$133,593 total)
Mellon Mays Travel and Research Grant 2015 (\$5,000)
Mellon Mays Graduate Studies Enhancement Grant 2014 and 2015 (\$3,000)
Mellon Mays Predoctoral Research Development Grant 2013 (\$2,000)
Organization for Tropical Studies Post-Course Research Award 2013 (\$985)—*William L. Brown Fellowship and Henry Leigh Fellowship*
MSU Center for Latin American and Caribbean Studies Tinker Field Research 2013 (\$1,500)
MSU Travel Grants: Plant Biology, EEBB, and College of Natural Sciences 2012-2016 (\$9,370)
Garden Club of America Carothers Summer Environmental Studies Scholarship 2008 (\$2,000)

PUBLICATIONS

Ansetett, D.N., K.A. Nunes, **C.A. Baskett**, and P.M. Kotanen (2016) Sources of controversy surrounding latitudinal patterns in herbivory and defense. *Trends in Ecology and Evolution*. 31: 789-802

Invited book chapter: Baskett, C.A., and D.W. Schemske. (2015) Evolution and Genetics of Mutualism. *Mutualism*. J. L. Bronstein, Oxford University Press.

Baskett, C.A., S.M. Emery, and J.A. Rudgers. (2011) Pollinator visits restored to threatened species after removal of invasive plant. *International Journal of Plant Sciences*. 172: 411-422

CONTRIBUTED PRESENTATIONS AND POSTERS

Baskett, C.A. (2017) Latitudinal patterns in herbivory and defense in *Phytolacca americana*. MSU EEBB Graduate Student Colloquium. January: East Lansing, MI.

Baskett, C.A. and D.W. Schemske (2016) Latitudinal patterns in herbivory and defense: A test of the biotic interactions hypothesis to explain the latitudinal diversity gradient. Evolution Conference. June: Austin, TX

Baskett, C.A. (2016) A test of the biotic interactions hypothesis to explain the latitudinal diversity gradient. American Society of Naturalists Meeting. January: Monterey, CA.

Baskett, C.A. and D.W. Schemske. (2015) Higher herbivory rates in lower-latitude populations of pokeweed (*Phytolacca americana*). Ecological Society of America Annual Meeting. August: Baltimore, MD.

Baskett, C.A. (2014) Latitudinal variation in biotic interactions in pokeweed. MSU EEBB Graduate Student Colloquium. November: East Lansing, MI.

Baskett, C.A., A. Burmeister, and L. Zaman (2014) Using natural history and experimental evolution to understand tropical diversity. BEACON Center for the Study of Evolution in Action Seminar. January: East Lansing, MI.

Baskett, C.A. (2013) Different strokes for different biogeographical regions. KBS Brown Bag. April: Kellogg Biological Station, MI.

Baskett, C.A. (2012) Oral presentations workshop. MSU Plant Biology Graduate Student Retreat. April: East Lansing, MI.

Posters

Baskett, C.A. et al. (2016) Experimental coevolution and the origin of biodiversity. Evolution Conference. June: Austin, TX

Baskett, C.A. (2014) Latitudinal variation in pollination-related traits in pokeweed (*Phytolacca*). American Society of Naturalists Meeting. January: Monterey, CA.

Baskett, C.A. and J.A. Rudgers. (2010) The relative importance of biotic and abiotic factors in endophyte transmission. Rice Undergraduate Research Symposium. April: Houston, TX.

Baskett, C.A., S.M. Emery, and J.A. Rudgers. (2009) Pollinator visits restored to threatened species after removal of invasive plant. Ecological Society of America Annual Meeting. August: Albuquerque, NM.

Baskett, C.A., K. Crawford, and J.A. Rudgers. (2008) Are invasive species competing for pollinators with an endemic, threatened thistle? Rice Undergraduate Research Symposium. April: Houston, TX

TEACHING AND MENTORING EXPERIENCE

Teaching Assistant: Plant Ecology

Michigan State University, September 2012-December 2012

Guest Lecture: "Podcasting Workshop" (Environmental Reporting course)

Michigan State University, October 2015

Guest Lecture: "Coverage of a Creationist Conference" (Environmental Reporting course)

Michigan State University, February 2015

Guest Lecture: “Latitudinal Diversity Gradient” (Environmental Studies in Costa Rica course)
Michigan State University, November 2014
Teaching Assistant: Introductory Lab Module in Ecology and Evolutionary Biology
Rice University, October 2009-April 2010
Instructor for Student-Taught Residential College Course: Radio Journalism
Rice University, August 2009-December 2009
Teaching Assistant: Writing Professionally in Natural Sciences
Rice University, August-December 2008

Undergraduate students mentored

2016-present	Abby Sulesky	Michigan State University
2016-present	Emma Clark	Michigan State University
2015-present	Alyssa Tretheway	Michigan State University
2016	Carolyn Graham	Michigan State University
2015	Danielle Blumstein	Michigan State University
2013-2014	Erin Leestma	Michigan State University

PROFESSIONAL SOCIETIES

American Society of Naturalists (August 2013 to present)
Ecological Society of America (July 2015 to present)
Graduate Women in Science, MSU Chapter (September 2011 to present)

PROFESSIONAL SERVICE

EEBB Program Retreat Planning Committee
Michigan State University, fall 2015
EEBB Program Faculty Search and Hiring Committee
Michigan State University, 2014-2015
Professional Development Committee for Graduate Women in Science
Michigan State University, 2011-present (committee chair 2012-2013)
Student mentor: NSF GRF Application Workshop
Plant Biology Department, Michigan State University, October-November 2012-2014
Co-organizer: Plant Biology Graduate Student Retreat on Scientific Communication
Michigan State University, April 4, 2012
Peer-reviewer: *American Journal of Botany*; *Journal of Ecology*; *Plant Ecology and Diversity*; *Perspectives in Plant Ecology, Evolution, and Systematics*

SCIENCE COMMUNICATION AND OUTREACH

Bringing Data to Life in Science Classrooms (videos about scientists for K16)
Michigan State University, September 2016-present
Lecture for Biology on Tap series: “Plant Drugs: Thinking Outside the Pot”
Midtown Brewing Company, Jan 25, 2017
Managing Editor, *The Food Fix* podcast (interviews about food systems research)
Michigan State University, December 2014 to December 2015
Co-organizer of EEBB student outreach effort at Creation Summit
Michigan State University, November 2014
Assistant producer of basic science stories, WKAR’s *Current State* radio magazine program
Michigan State University, March 2014-February 2015

Activity: “Roses are red, violets are blue, when a bee’s on a flower, what does it do?”
With L. Stelzner and S. Magnoli; presented annually at MSU Girls’ Math and Science Day for
Graduate Women in Science (2012-2014) and MSU Science Festival (2013-2014)

Undergraduate Committee for Graduate Women in Science
Michigan State University, September 2011-April 2012

Mentor and tutor for the College Ambition Program for high school students
Eastern High School, Lansing, MI, October-December 2011

Wandering Nature: blog and podcast about natural history, ecology, and evolutionary biology
<http://wanderingnature.com>

Watson Fellowship, “Natural Connections: Fostering Relationships with the Environment.”
Environmental outreach projects in Latin America and Spain, August 2010-August 2011