

CARINA A. BASKETT

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WORK EXPERIENCE

Senior Scientist—Grant Writer
September 2021-present
Center for Microbial Dynamics and Infection
Georgia Tech

Marie Curie Co-Fund Fellowship (ISTplus Postdoctoral Fellow)
October 2018-August 2021
IST Austria
Advisor: Nick Barton

EDUCATION

Ph.D., August 2018
Michigan State University, Department of Plant Biology and Ecology, Evolutionary Biology, and Behavior Program (Dual Degree)
Dissertation Co-advisors: Dr. Douglas Schemske, Dr. Marjorie Weber
Dissertation Title: Testing hypothesized latitudinal patterns in plant-insect interactions from tropical to north-temperate regions

B.S., *cum laude*, May 2010
Rice University, Department of Ecology and Evolutionary Biology

PEER-REVIEWED PUBLICATIONS

- Baskett, C.A., L. Schroeder,* M.G. Weber, and D.W. Schemske (2020) Multiple metrics of latitudinal patterns in insect pollination and herbivory for a tropical-temperate congener pair. *Ecological Monographs*. 90(1):e01397.
- Baskett, C.A., and D. W. Schemske (2018) Latitudinal patterns of herbivore pressure in a temperate herb support the biotic interactions hypothesis. *Ecology Letters*: 21(4): 578-587
- Anstett, 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
- 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

*Undergraduate student author

ADDITIONAL PUBLICATIONS

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

FELLOWSHIPS AND AWARDS

Marie Curie Co-Fund ISTplus Postdoctoral Fellow 2018-2021
Declined: NSF Postdoctoral Research Fellowship in Biology 2018-2020 (\$207,000)
MSU Plant Biology Fields Award: Outstanding Teaching by a Graduate Student 2018
Best Oral Presentation at MSU EEBC Program Annual Symposium 2018

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 (independent study abroad) 2010-2011 (\$25,000)
Julian Huxley Award for Excellence in Ecology and Evolutionary Biology at Rice U. 2010

RESEARCH AND TRAVEL GRANTS

NSF Doctoral Dissertation Improvement Grant 2017-2018 (\$10,192)
MSU Department of Entomology Scriber Scholar in Butterfly Biology and Conservation (\$1,500)
Organization for Tropical Studies Research Fellowship 2015 (\$4,200)—*Emily Foster Fellowship*
MSU BEACON (NSF Science and Technology Center) 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 2012-2017 (\$10,865)

MENTORSHIP AND MANAGEMENT EXPERIENCE

2020-2021

Main advisor/supervisor for MS student Guillem Pocull
Biodiversity and Conservation of the Tropics, International University Menendez Pelayo

2019-2020, IST Austria

Manager of Barton group's long-term field research project in Planoles, Spain
Hiring and supervising of 15 research assistants (student volunteers, IST PhD students)
Annual budget ~€30,000

2013-2018, Michigan State University

Mentored independent research of four undergraduates
Hired and supervised eight undergraduate research assistants

2007-2010, Rice University radio station

Hired and supervised 10 reporters as News Director
Hired and trained 60 DJs as DJ Director (2009-2010 only); oversaw staff of 120 DJs

TEACHING EXPERIENCE

Instructor: A (very) basic introduction to R
IST Austria (virtual), September 2020

Course Coordinator: Ecology Lab

Michigan State University, January 2018-May 2018

Teaching Assistant: Ecology Lab

Michigan State University, August 2017-December 2017

Teaching Assistant: Plant Ecology

Michigan State University, September 2012-December 2012

PRESENTATIONS

Invited Presentations

Baskett, C.A., T.J. Ellis, D.L. Field, and N.H. Barton (2019) Quantifying importance of pollinators as selective agents on flower color in a subspecies hybrid zone. New Phytologist Symposium. July: Zurich, Switzerland.

Baskett, C.A. (2017) Biotic interactions and the latitudinal diversity mystery: a test from chemostats to continents. UC-San Diego. March 3: San Diego, CA

Contributed Presentations

- Baskett, C.A., A. Fuster, T.J. Ellis, G. Pocull, S. Stankowski, C. Colson, L. Sartoris, B. Pablo Carmona, D.L. Field, and N.H. Barton (2021) Roses are red, violets are blue, oh dragon flower, what do you do? American Society of Naturalists Meeting. Virtual.
- Baskett, C.A., D.W. Schemske, and M.G. Weber (2018) Traits contributing to stronger anti-herbivore defense at lower latitudes in a temperate herb. American Society of Naturalists Meeting. January: Monterey, CA.
- Baskett, C.A. and D.W. Schemske (2017) Greater herbivore pressure at lower latitudes in a widespread temperate herb. Ecological Society of America Annual Meeting. August: Portland, OR.
- 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.

LANGUAGES SPOKEN

English (native)
Spanish (fluent)
German (beginner)

STATISTICAL SOFTWARE PROFICIENCY

R, especially mixed models and multivariate statistics

PROFESSIONAL SOCIETIES

American Society of Naturalists (August 2013 to present)
Ecological Society of America (July 2015 to present)
Graduate Women in Science, MSU Chapter (2011-2018)

PROFESSIONAL SERVICE

Peer-reviewer: *The American Naturalist*; *American Journal of Botany*; *Annals of Botany*; *Ecology Letters*; *The Great Lakes Entomologist*; *Journal of Ecology*; *Plant Ecology and Diversity*; *Perspectives in Plant Ecology, Evolution, and Systematics*

Co-organizer, EvoLunch Seminar Series
IST Austria, 2021

EEBB Program Retreat Planning Committee
Michigan State University, 2015

EEBB Program Faculty Search and Hiring Committee
Michigan State University, 2014-2015

Student mentor: NSF Graduate Research Fellowship application workshop
Plant Biology Department, Michigan State University, October-November 2012-2014

Professional Development Committee for Graduate Women in Science
Michigan State University, 2011-2014 (committee chair 2012-2013)

Co-organizer: Plant Biology Graduate Student Retreat on Scientific Communication
Michigan State University, April 4, 2012

SCIENCE COMMUNICATION AND OUTREACH

Zoom a Scientist

IST Austria, April and May 2021

Lecture for Think and Drink series: “Insects & Drugs & Rock & Roll”

IST Austria, Dec 2020

Featured on video, “Pokeweed: A Beautiful, Deadly (Yet Edible) Plant?!”

By StoneAgeMan, https://www.youtube.com/watch?v=Hog_LTN5K0I, Nov 2020

Data Nugget classroom exercises in English and Spanish

DataNuggets.org, 2020

Open Campus: Barton Group booth

IST Austria, May 8, 2019

Featured on “The Snapdragon Hunt” on Tumble Podcast (science for kids)

Planoles, Spain, Jul 2018

Bringing Data to Life in Science Classrooms (videos to accompany Data Nuggets)

Michigan State University, Sep 2016-May 2018

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, Dec 2014 to Dec 2015

Assistant producer of basic science stories, WKAR’s *Current State* radio magazine program

Michigan State University, Mar 2014-Feb 2015

Co-organizer of EEBB student outreach at Creation Summit

Michigan State University, Nov 2014

Pollination activity for Girls’ Math and Science Day and Science Festival

Michigan State University, 2012-2014

Wandering Nature: blog and podcast about natural history, ecology, and evolutionary biology

Wandering-nature.tumblr.com, Aug 2010-Aug 2012

Watson Fellowship, “Natural Connections: Fostering Relationships with the Environment.”

Environmental outreach projects in Latin America and Spain, Aug 2010-Aug 2011

REFERENCES

Dr. Sam Brown

Supervisor

Professor

Georgia Tech

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Dr. Doug Schemske

PhD Co-Advisor

Professor Emeritus

Michigan State University

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Dr. Nick Barton

Postdoctoral Mentor

Professor

IST Austria

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Dr. Marjorie Weber

PhD Co-Advisor

Assistant Professor

Michigan State University

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Please feel free to contact any collaborator or co-author for additional references.