

Bram Stone

Curriculum Vitae

Postdoctoral Scholar
 Center for Ecosystem Science and Society
 Northern Arizona University
 Flagstaff, AZ 86001

EDUCATION

Ph.D.	University of Mississippi	Biology	2018
B.S.	Portland State University	Environmental Science and Management	2011

RESEARCH EXPERIENCE

Northern Arizona University Center for Ecosystem Science and Society Adviser: Bruce Hungate	<i>Postdoctoral Scholar</i>	2018 – current Flagstaff, AZ
University of Mississippi Department of Biology Adviser: Colin Jackson	<i>Research Assistant</i>	2014 Oxford, MS
Rutgers University Department of Ecology and Natural Resources Supervisor: Josh Caplan	<i>Lead Field Technician</i>	2011 New Brunswick, NJ

PUBLICATIONS

- Rev. **Stone, B.W.G.**, C.R. Jackson. Spatial co-occupancy of wetland macrophytes linked to higher bacterial diversity. In review at *Plant and Soil*.
- 2018 **Stone, B.W.G.**, E.A. Weingarten, C.R. Jackson. The role of the phyllosphere microbiome in plant health and function. *Annual Plant Reviews* in press.
- 2017 Caplan, J.S., **B.W.G. Stone**, C.A. Faillace, J.J. Lafond, J. Baumgarden, T.J. Mozdzer, J. Dighton, S.J. Meiners, J.C. Grabosky, J.G. Ehrenfeld. Nutrient foraging strategies are associated with productivity and population growth in forest shrubs. *Annals of Botany* 119: 977–988.
- 2016 **Stone, B.W.G.**, C.R. Jackson. Biogeographic patterns between bacterial phyllosphere communities of the Southern Magnolia (*Magnolia grandiflora*) in a Small Forest. *Microbial Ecology* 71: 954–961.
- 2015 Jackson, C.R., **B.W.G. Stone**, H.L. Tyler. Emerging perspectives on the natural microbiome of fresh produce vegetables. *Agriculture* 5: 170–187.

GRANTS, FELLOWSHIPS, AND AWARDS

- 2017 Second place winner of doctoral research, Three Minute Thesis (3MT) Competition. University of Mississippi.
- 2017 \$3000. Summer Research Fellowship. Department of Biology, University of Mississippi.
- 2016 \$702. G. Murray McKinley Research Fund. Pymatuning Laboratory of Ecology, Department of Biological Sciences, University of Pittsburgh.
- 2015 \$1000. Graduate Student Council Research Award. University of Mississippi.

PRESENTATIONS

- 2017 Diversity of the plant microbiome in response to environmental disturbance. **Invited talk**, University of Mississippi Flagship Initiative. Oxford, MS, November.
- 2017 Co-occurrence of a native and invasive wetland plant species increases rhizosphere bacterial diversity in both species. Ecological Society of America (ESA). Annual Meeting, Portland, OR, August.
- 2017 Targeted next generation sequencing of microbial communities as a tool for ecological inference. **Invited talk**, Mississippi Academy of Sciences (MAS) Annual Meeting. INBRE Symposium: Metagenomics to Functional Microbiome. Hattiesburg MS, February.
- 2015 Biogeographic patterns in phyllosphere microbial communities in a small forest plot provide weak but significant support for the distance-decay relationship. Southeastern Ecology and Evolution Conference (SEEC), Athens, GA, April.

POSTERS

- 2018 **Stone, B.W.G.**, C.R. Jackson. Temporal patterns in enzyme activity and bacterial community structure of the phyllosphere of the wetland macrophyte *Typha latifolia*. 12th International Symposium on Biogeochemistry of Wetlands. Coral Springs, FL, April.
- 2015 Payne, J.T., **B.W.G. Stone**, J.J. Millar, C.R. Jackson, C.A. Ochs. Microbial enzyme activity in the Lower Mississippi River: Temporal patterns from hourly to monthly time scales. International Society of River Science (ISRS) 4th Biennial Symposium, La Crosse, WI, August.
- 2015 **Stone, B.W.G.**, C.R. Jackson. Biogeographic patterns in phyllosphere microbial communities in a small forest provide weak but significant support for the distance-decay relationship. American Society of Microbiology (ASM) general meeting, New Orleans, LA, May.
- 2013 Payne, J.T., J.J. Millar, **B.W.G. Stone**, C.A. Ochs, C.R. Jackson. Temporal variation of microbial extracellular enzyme activity in the Lower Mississippi River. Poster session at American Society of Microbiology (ASM) meeting, New Orleans, LA, October.

2013 Caplan, J., **B.W.G. Stone**, J. Grabosky, J. Ehrenfeld. Associations between root traits and shrub productivity in Northeast forests. Poster at Soil Ecology Society (SES) meeting, Camden, NJ, June.

TEACHING

Courses Taught

* Denotes non-majors course

Biological Sciences	(Fall 2013, 2015; Summer 2016)
Inquiry into Life*	(Spring 2015)
General Microbiology	(Spring 2014, 2015, 2016; Summer intersession 2015; Fall 2016)
Principles of Microbiology*	(Spring 2015, 2016)
Microbial Physiology	(Fall 2016)
General Ecology	(Spring 2017, 2018; Fall 2017)

Lectures Given

Biogeochemical cycling, General Microbiology (Spring 2016)
Ecosystem productivity, General Ecology (Fall 2017)

Labs Designed

Invasive species in Mississippi, General Ecology (Spring 2017)
Ecological sampling techniques, General Ecology (Fall 2017)

SERVICE

Departmental

President, Biology Graduate Student Society, 2015–2017
Organized professional development event on science communication, 2016
Search committee for department chair, 2016

Manuscript Reviews

Wetlands (4), *PLoS One* (1), *Microbial Ecology* (1), *Southeastern Naturalist* (1)

Outreach

Presented research to Mississippi congressional staffers at university flagship initiative, 2017
Co-led environmental microbiology activities, University of Mississippi Field Station Science Day, 2017
Judge, Mississippi Region 7 Science and Engineering Fair, 2017