

# Bram Stone

## Curriculum Vitae

Ph.D. Candidate  
Department of Biology  
University of Mississippi  
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## EDUCATION

<b>Ph.D.</b>	University of Mississippi	Biology	2018 (expected)
<b>B.S.</b>	Portland State University	Environmental Science and Management	2011

## PUBLICATIONS

- 2017 **Stone, B.W.G.**, E.A. Weingarten, C.R. Jackson. The role of the phyllosphere microbiome in plant health and function. Submitted to *Annual Plant Reviews*.
- 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. 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

- 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

## OTHER RESEARCH EXPERIENCE

- 2014 Research Assistant. Jackson Lab. Department of Biology. University of Mississippi.
- 2011 Lead Field Technician. Ehrenfeld/Grabosky Lab. Department of Ecology, Evolution and Natural Resources. Rutgers University.

## 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; 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* (3), *PLoS ONE* (1), *Microbial Ecology* (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