

## LAURA G. SMITH

### CURRICULUM VITAE

#### EDUCATION

**University of Tennessee**, Department of Geography, Knoxville, TN

**Doctor of Philosophy (In Progress)** August 2017- present. Current GPA (XX), # semester hours  
Dissertation: (XX) Advisor: Dr. Henri Grissino-Mayer. Relevant Coursework: Grant Proposal Writing in  
Geography, Biometry

**Frostburg State University**, Department of Biology, Frostburg, MD 21532

**Master of Science in Applied Ecology and Conservation Biology**, September 2014 to May 2016, GPA  
3.91. Thesis: Geospatial Applications of a Pest and Disease Vulnerability Model in Washington DC Street  
Trees, Advisor: Dr. Sunshine L. Brosi. Relevant Coursework: Organic Chemistry, Invertebrate Biology, Plant  
Ecology, Methods of Research in Biological Sciences, Ethics.

**Frostburg State University**, Department of Biology, Frostburg, MD 21532

**Bachelor of Science in Ethnobotany**, September 2007 to May 2009, January 2012 to May 2014, GPA 3.68,  
132 Semester Hours, Senior Internship: Get Rooted in Cumberland, One Tree at a Time- Using Social Media  
to Impact Residential Tree Planting Behavior, academic advisor: Sunshine L. Brosi, internship advisor: Raquel  
Ketterman. Relevant Coursework: Plant Morphology, Plant Physiology, Plant Taxonomy, Chemistry I and II

#### HONORS AND AWARDS

##### Honors:

**Biology Department Honors**, Frostburg State University, 2016

**Dean's List**, Frostburg State University, 2008-2009, 2012-2016

##### Awards: \$56,285

**Tennessee Fellowship for Graduate Excellence**, University of Tennessee, 2017-2020, \$40,000

**Society for Economic Botany Travel Fellowship**, Nature Genetics, 2015, \$2,000

**REIL Research Experiences in Introductory Laboratories-Biology Network**, Workshop Team  
Acceptance Full support to attend the conference including transportation, lodging, & registration, \$1,000

**Richard Johnson Scholarship for Graduate Studies in Natural Resources**, Frostburg State  
University, 2014-2015: \$770; 2015-2016: \$690

**Allegheny County Commissioner's Scholarship**, 2015-2016: \$1,000

**Frostburg Grant**, 2014-2015: \$1,000

**Frank D. Santamour Scholarship**, Mid-Atlantic Chapter of the International Society of  
Arboriculture, 2013-2014: \$1,250

**Full Academic Scholarship**, Frostburg State University, 2007-2008: \$4,100; 2008-2009: \$4,475

##### Grants: \$88,494

Sunshine Brosi and **Laura Smith**, Butternut and White Oak Resource Plantings for Cherokee Artisans,  
Cherokee Preservation Foundation (\$18,936)

**Laura G. Smith** & Sunshine Brosi Graduate Research Grant, Faculty Development 2015 (\$3,750)

Sunshine Brosi and **Laura Smith**, Science-Based Approach to Elm Management, 2013 and 2015, District of  
Columbia, Urban Forestry Association, awarded through Metropolitan Washington Council of Governments  
(COG): #13-023 (\$36,158 and \$8,560)

**Laura Smith** and Sunshine Brosi, Chesapeake Bay Trust, Community Outreach Mini Grant 2013 (\$5,000)

**Laura Smith** and Raquel Ketterman, Maryland Department of Housing and Community Development,  
Community Legacy Program 2013 (\$16,000)

## RELEVANT WORK EXPERIENCE

**Research Associate**, Frostburg State University, Department of Biology, Frostburg, MD. May 2016-present  
Collect, analyze, and interpret data (field and lab settings) for three separate grant-funded research projects involving the analysis of tree-rings for cultural and ecological purposes

**Instructor**, Frostburg State University, Department of Biology, Frostburg, MD. September 2014- 2017  
Develop curriculum and instruct both lecture and field lab sections for Dendrology (BIOL 314), Plant Taxonomy (BIOL 328), and Forest Ecology (BIOL 425).

**Teaching Assistant**, Frostburg State University, Department of Biology, Frostburg, MD. September 2014-May 2016

Instruct lab sections for Botany (BIOL 161) and Human Biology and the Environment (BIOL 109)

**Private Tutor**, August 2015- May 2016

Met weekly with student to work on study skills and review dendrology specimen in the field.

**Environmental Intern**, City of Cumberland, Engineering Department, Cumberland, MD. June 2012-December 2013, June 2014-September 2014

Executed a grant-funded, community based social marketing project aimed at influencing Cumberland City residents to plant trees on privately owned property.

**Tutor**, Frostburg State University, Mathematic Department, Frostburg, MD. September 2008- May 2008

Met with 3 students on an individual basis, 1-2 times weekly for tutoring of an online probability and statistics course.

## PRESENTATIONS

**Oral Presentation**, Northeast American Fish and Wildlife Association, Norfolk, VA 2017

Evaluating Habitat Conditions and Population Fluctuations of the Allegheny Woodrat (*Neotoma magister*)

**Oral Presentation**, Western Maryland Chapter of the Maryland Native Plant Society, Frostburg, MD 2017

What's in a Ring? From Wildflowers to Woodrats, Using Tree Ring Analysis to Help Solve Complex Ecological Problems

**Oral Presentation**, Mid-Atlantic Chapter of the National Society of Arboriculture, Morgantown, WV 2016

Geospatial Applications of a Pest and Disease Vulnerability Model among Street Trees in Washington D.C.

**Oral Presentation**, Society for Economic Botany, Pine Mountain, KY 2016

Geospatial Applications of a Pest and Disease Vulnerability Model among Street Trees in Washington D.C.

**Oral Presentation**, Maryland Native Plant Society Fall Meeting, Frostburg, MD 2015

An Evaluation of Pest and Disease Vulnerability in the Urban Street Trees of Washington D.C.

**Oral Presentation**, Society for Economic Botany, Clanwilliam, South Africa 2015

Management of Urban Pests in the Shifting Context of Urban Ecology

**Round Table Leader**, Life Discovery in Biological Science Conference, San Jose, CA 2014

Creating Relevance in Botany through Cultural Connections

**Poster Presentation**, Society for Economic Botany, Cherokee, NC 2014

Preservation of White Oak (*Quercus alba*) for Traditional Cherokee Basketry

**Poster Presentation**, Maryland Native Plant Society Annual Meeting, Frostburg, MD 2013

Using Community Based Social Marketing to Influence Tree Planting Behavior

**Poster Presentation**, Alliance for the Chesapeake Bay Forum, Shepherdstown, WV 2013

Using Community Based Social Marketing to Influence Tree Planting Behavior

**Oral Presentation**, Mid-Atlantic Chapter of the International Society of Arboriculture Conference, Cumberland, MD 2012

Get Rooted in Cumberland, One Tree at a Time, the Cumberland Residential Tree Planting Project

**Oral Presentation**, Focus Frostburg, Frostburg, MD 2012 & 2013

Becoming a Tree Campus USA

## **SERVICES WORK**

**Student Representative, Graduate Council**, Frostburg State University, Frostburg MD. September 2015- May 2016

**Graduate/Undergraduate Representative, Campus Tree Care Committee**, Frostburg State University, Frostburg, MD. September 2012- Present

**Volunteer, Savage River Arts Camp**, Garrett County, MD. February 2015- Present

**Volunteer, SEB Conference Committee**, Frostburg, MD. April-June 2012

## **CERTIFICATIONS**

- Class B Sawyer, Game of Logging, instructed by Kevin Snyder Logging, Pleasantville, PA
- Wildlands Firefighter, S-130 Wildland Firefighter, S-190 Introduction to Wildlands Fire Behavior, and L-180 Human Factors on the Fireline, instructed by Ric Lillard, Green Ridge State Forest
- Maryland Woodland Connect, GPS Training, instructed by Jonathan Kays, Extension Specialist, University of Maryland
- SILVAH (Silviculture of Allegheny Hardwoods)-Oak Training, Decision support for managers of Allegheny hardwood and mixed oak ecosystems, Summer 2016
- National Institutes of Health, Protecting Human Subject Research Participants Certification
- Title IX Campus Training- Building a Supportive Community

## **ADDITIONAL SKILLS**

- Computer skills including: ArcGIS, R, SigmaPlot, Microsoft Office Suite.
- Microscopy and plant microstructure identification
- Dendrochronology (tree ring analysis) field and lab applications
- Community Outreach
- Woody and herbaceous plant field identification
- NIH Certification

## **REFERENCES**

**Sunshine Brosi**, Ph.D., *Associate Professor*, Biology Department, 101 Braddock Road, Frostburg, MD 21523, 301- 687-4213, [slbrosi@frostburg.edu](mailto:slbrosi@frostburg.edu)

**David Puthoff**, Ph.D., *Department Chair*, Biology Department, 101 Braddock Road, Frostburg, MD 21532, 301-687-4172, [dpputhoff@frostburg.edu](mailto:dpputhoff@frostburg.edu)

**Earl Eutsler**, *Associate Director- State Forester*, Urban Forestry Administration, 55 M Street SE Suite 400, Washington DC 20003, 202-671-5133, [earl.eutsler@dc.gov](mailto:earl.eutsler@dc.gov)

*Additional References Available Upon Request*