

# ALEXANDRA (“SASHA”) VIVELO

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## EDUCATION

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### **Ph.D. Candidate in Biology**

Aug. 2014 – April 2021 (expected)      Boston University      Boston, Massachusetts  
Dissertation: The patterns and drivers of fungal decomposer succession. Defense scheduled for April 28, 2021.

### **Biogeoscience Graduate Certificate**

Jan. 2018      Boston University      Boston, Massachusetts

### **Graduate Certificate in Teaching Writing**

May 2017      Boston University      Boston, Massachusetts

### **Master of Science in Cell and Molecular Biology**

Sept. 2012 – Aug. 2013      California State University, East Bay      Hayward, California  
Thesis: Characterization of unique features of the Denisovan exome. URI: <http://hdl.handle.net/10211.3/4790>

### **Master of Arts in Anthropology**

Sept. 2010 – Aug. 2012      California State University, East Bay      Hayward, California

### **Bachelor of Arts *Summa Cum Laude* in Art**

Sept. 1991 – July 1994      Columbia College      Columbia, Missouri

## PROFESSIONAL EXPERIENCE

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### **Instructor (Graduate Writing Fellow)**

Sept. 2016 – Dec. 2020      Writing Program, Boston University      Boston, Massachusetts

### **Research Assistant**

Feb. 2015 – Present      Bhatnagar Lab, Boston University      Boston, Massachusetts

### **Teaching Fellow**

Jan. 2016 – Dec. 2016      Biology Dept., Boston University      Boston, Massachusetts

### **Biology Instructor**

June 2015 – Aug. 2015      Summer Program, Boston University      Boston, Massachusetts

### **Biotechnology Intern**

March 2013 – May 2013      Systems Biosciences      Sunnyvale, California

## Teaching Assistant

April 2012 – Dec. 2012

Anthropology Dept., CA State University

Hayward, California

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## PEER-REVIEWED PUBLICATIONS

**Vivelo S** and JM Bhatnagar. 2019. An evolutionary signal to fungal succession during plant litter decay. *FEMS Microbiology Ecology*. <https://doi.org/10.1093/femsec/fiz145>.

**Vivelo AJ**. 2012. Toward integrative medicine: CAM and the mainstream. *Proceedings of the Southwestern Anthropological Association*. Vol. 5, pp. 41-48. ISSN 1941-7500.

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## PUBLICATIONS IN PREPARATION (CAN PROVIDE UPON REQUEST)

**Vivelo S** and JM Bhatnagar. In prep. Inherent growth rate and cellobiohydrolase activity underlie the phylogenetic signal to fungal decomposer succession.

**Vivelo S** and JM Bhatnagar. In prep. The genomic signature to fungal decomposer succession.

Policelli, N, J Hoeksema, J Moyano, R Vilgalys, **S Vivelo** and JM Bhatnagar. In prep. Pine invasions linked to the invasiveness of their ectomycorrhizal fungal symbionts.

Bhatnagar, JM, K Atherton, N Policelli, C Vietorisz, **S Vivelo** and Z Werbin. In prep for *Microbiology and Molecular Biology Reviews*. The microbiology of plant litter decomposition in terrestrial ecosystems.

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## PRESENTATIONS

Fast fungi and chitin cannibals: growth rate and enzymes help structure decomposer succession. Biogeoscience Symposium, Boston University, Boston, MA, May 2020

The genomic signature to fungal decomposer succession. MassMyco Biennial Meeting, Harvard University, Cambridge, MA, October 2018

The genomic signature to fungal decomposer succession. Ecological Society of America 2018 Annual Meeting, New Orleans, LA, August 2018

Fungal succession during leaf litter decay has deep evolutionary roots: a meta-analysis. Ecological Society of America 2017 Annual Meeting, Portland, OR, August 2017

The fungal role in carbon cycling and climate. Tiny Great Outdoors Festival, Somerville, MA, April 2017

Meta-analysis of fungal succession during plant litter decay (poster presentation—first author). Microbiome Symposium, Boston University, Boston, MA, February 2017

Meta-analysis of fungal succession in plant litter decay. MassMyco Biennial Meeting, University of Massachusetts Amherst, Amherst, MA, September 2016

Fungi and soil carbon cycling. Birches School, Lincoln, MA, April 2016

Toward integrative medicine: CAM and the mainstream. Southwestern Anthropological Association Conference, Reno, NV, May 2011

Shamanism: walking between worlds. California State University, Anthropology Lecture Series, Hayward, CA, June 2011

#### AWARDS & HONORS

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2018-2020	Senior Teaching Fellowship, Boston University
2018	Mycological Society of America Graduate Student Fellowship (\$2000)
2018	Biogeoscience Student Award (\$500)
2018	Ecological Society of America Student Travel Award (\$186)
2017	Biogeoscience Student Award (\$500)
2016-2018	Graduate Writing Fellowship, Boston University
2016	Ford Foundation Predoctoral Fellowship Honorable Mention
2016	Pardee Graduate Summer Fellow
2012	Anthropology Student Paper Prize, California State University, East Bay (\$200)
1990	National Merit Finalist

#### FELLOWSHIPS AND GRANTS

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2018-2020	Senior Teaching Fellowship, \$42,000, Writing Program, Boston University
2016-2018	Graduate Writing Fellowship, \$42,000, Writing Program, Boston University
2016	Pardee Graduate Summer Fellowship, \$6,000, Frederick S. Pardee Center for the Study of the Longer-Range Future, Boston University
2016-2017	Professional Development Grants, \$100, Graduate Women in Science and Engineering, Boston University
1992-1994	Elizabeth Estes Gentry Endowment Fund Scholarship; Anthony W. Rollins Award; Mary H. Robinson Scholarship; Full-tuition award, Columbia College
1991	National Merit Scholarship, \$2,000, University of Pittsburgh

#### TEACHING EXPERIENCE

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2020	Primary Instructor for WR152, Understanding the Microbiome, Writing and Research Seminar, Boston University
2020	Primary Instructor for WR152, Climate Change: Science and Action, Writing and Research Seminar, Boston University
2019	Primary Instructor for WR150, Climate Change: Science and Action, Writing and Research Seminar, Boston University

- 2019 Primary Instructor for WR120, Climate Change: Science and Action, Writing and Research Seminar, Boston University
- 2018 Primary Instructor for WR150, Climate Change: Science and Action, Writing and Research Seminar, Boston University
- 2018 Primary Instructor for WR150, Climate Change: Science and Action, Writing and Research Seminar, Boston University
- 2017 Primary Instructor for WR100, Climate Change: Science and Action, Writing Seminar, Boston University
- 2017 Primary Instructor for WR150, Evolutionary Theory: New Perspectives, Writing and Research Seminar, Boston University
- 2016 Primary Instructor for WR100, The Evolution of Evolutionary Theory, Writing Seminar, Boston University
- 2015 Teaching Fellow for BI311, Lab for General Microbiology, Boston University
- 2015 Teaching Fellow for BI108, Lab for Introductory Biology, Boston University
- 2015 Primary Instructor for Discovering Biology, Summer Term High School Program, Boston University
- 2012 Teaching Assistant for ANTH1000, Introductory Anthropology, California State University, East Bay
- 2012 Teaching Assistant for ANTH3100, Human Evolution I, California State University, East Bay
- 2012 Teaching Assistant for ANTH3101, Human Evolution II, California State University, East Bay

SERVICE

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- 2018-2020 Reviewer for *Biological Conservation*
- 2019 Reviewer for *mBio*
- 2018 Reviewer for *ISME Journal*
- 2018 Editorial Staff of Boston University Writing Program Journal
- 2018 Mentor to a Summer Undergraduate Research student
- 2017-2018 Graduate Writing Fellow Selection Committee
- 2017 Reviewer for *Microbiome*
- 2017 Mentor to a Graduate Writing Fellow in Training
- 2017-2019 Mentor to Core Writing Fellows in Training
- 2017 Lab tour guide, Boston Public Health Commission's leadership program for high-school students
- 2015-2018 Coordinator, Boston University Graduate Women in Science and Engineering Mothers' Group
- 2015 Mentor to an undergraduate laboratory volunteer

PROFESSIONAL MEMBERSHIPS

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- Ecological Society of America (2017-Present)
- Mycological Society of America (2016-Present)
- American Association for the Advancement of Science (2015-Present)