

Lauren Lynch

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EDUCATION

- PhD** UIUC, Dept. of Nat Resources and Env Sciences (in progress) 2017-Present
Advisor: Dr. James Miller
- MS** University of Alaska Fairbanks, School of Natural Resources and Extension 2013- 2017
Peace Corps Master's International Program
Advisor: Dr. Susan Todd
Cumulative GPA: 3.97
- BS** University of Massachusetts Amherst 2009-2013
Majors: Biology
Natural Resources Conservation (Wildlife Ecology and Conservation Concentration)
Advisor: Dr. Paige Warren
Cumulative GPA: 3.912
Magna Cum Laude
Commonwealth Honors College Scholar, Graduated with Greatest Distinction

RESEARCH EXPERIENCE

- University of Alaska Fairbanks, Fairbanks AK** 2014-2017
MS Thesis
Advisor: Dr. Susan Todd
Title: Community relationships with traditional forests and their effects on long-term conservation:
A case study from Kaboli, Togo
- University of Massachusetts Amherst, Amherst MA** 2011-2013
Commonwealth Honors College Thesis
Advisor: Dr. Paige Warren
Title: Arthropod abundance, population dynamics and predator-prey interactions on urban and
rural experimental rooftops
- University of Massachusetts Amherst, Amherst MA** 2010-2011
Undergraduate Research Assistant
Advisor: Dr. Paige Warren and Dr. Susannah Lerman
Assisted graduate students with data collection and processing for research focusing on foraging
behavior of urban birds and the effects of urban green spaces on biodiversity

GRANTS, FELLOWSHIPS AND AWARDS

Grants:

- 2016 "Ifedon: Improved goat husbandry in Kaboli, Togo." **Lynch L**, and M Tchala. West African Food Security Partnership, Feed the Future (\$4,199.93)
- 2015-2016 "Ireti Olouwa: Associating aquaculture with gardening in Kaboli, Togo." **Lynch L**, and Y Tchala. West African Food Security Partnership, Feed the Future. (\$9,285.03)

Fellowships:

- Jonathan Baldwin Turner Graduate Fellowship (\$22,500/year + tuition, health care; one year) 2017-2018
- UAF Thesis Completion Fellowship (\$7,500/semester + tuition, health care; one semester) Spring 2017
- UAF Master's International Fellowship (\$15,000/year + tuition, health care; one year) 2013-2014

Awards

- Dean's Scholarship, University of Massachusetts, Amherst (\$1,000/year) 2009-2012
- John and Abigail Adams Scholarship, Massachusetts Dept. of Education (\$1,714/year) 2009-2012

PUBLICATIONS

- Lynch L**, K Kokou, and S Todd. **In Press**. Comparison of the ecological value of sacred and non-sacred community forests in Kaboli, Togo. *Tropical Conservation Science*.

PRESENTATIONS

- Lynch L**, and PS Warren. 2013. Trophic dynamics of urban and rural arthropod communities in Massachusetts. Northeast Undergraduate Research Development Symposium. Biddeford, ME.
- Lynch L**, M Martinat and P Warren. 2012. Arthropod abundance, richness and population controls on urban and rural experimental rooftops. University of Massachusetts Community-Based Research REU. Amherst, MA.
- Lynch, L** and P Warren. 2011. Arthropod abundance, population dynamics and predator-prey interactions in urban and rural model ecosystems. Harvard Forest Student Research Program Symposium. Petersham, MA.

TEACHING EXPERIENCE

- NRM 338/697: Introduction to Geographic Information Systems-Teaching Assistant** Fall 2016
Dept of Natural Resource Management, University of Alaska Fairbanks
I led weekly lab sections of the introductory GIS course for undergraduate and graduate students and assisted student during office hours.
- BIO 152: Introductory Biology II-Supplemental Instructor** Spring 2013
Learning Resource Center, UMass Amherst

I prepared review materials and lead weekly review sessions for Introductory Biology II.

BIO 151: Introductory Biology I- Supplemental Instructor

Fall 2012

Learning Resource Center, UMass Amherst

I prepared review materials and lead weekly review sessions for Introductory Biology I.

CHEM 111: Introductory Chemistry I- Supplemental Instructor

Fall 2011

Learning Resource Center, UMass Amherst

I prepared review materials and lead weekly review sessions for Introductory Chemistry I.

SERVICE AND OUTREACH

OneTree Educator

2013-2016

OneTree Alaska, Fairbanks AK

OneTree Alaska is a citizen science program focusing on the phenology of Alaska Birch (*Betula neoalaskana*) trees. I worked with elementary school teachers to develop and implement holistic, place-based curriculum incorporating both scientific inquiry and indigenous knowledge.

Environmental Action and Food Security Volunteer

2014-2016

United States Peace Corps, Kaboli Togo

I worked with local and national community-based groups to develop and implement projects related to food security and environmental conservation. Projects I worked on included the development of an aquaculture project with a local gardener's cooperative, improvement of goat farming practices within a women's group, and the establishment of an officially-recognized community forest with a local neighborhood. Additionally, I addressed issues related to youth and women's empowerment through organizing a women's food security conference and an environmental summer camp for middle school students, and holding gender training workshops for middle and high school teachers.

STEM Mentor

Massachusetts Academy of Sciences, Amherst MA

2013

I mentored middle school students in the development of science fair projects.

Environmental Education Center Volunteer

2011-2013

Hitchcock Center for the Environment, Amherst MA

I prepared educational materials, answered questions at the information desk, and assisted with outreach activities.

Community Urban Greening Project Assistant

2012

Urban Ecology Institute, Cambridge MA

I assisted in the planning and planting of a community green space in Allston, MA. My responsibilities included coordinating with local community groups, schools and government to coordinate environmental education workshops and the design and planting of a community green space.

Volunteer Wildlife Monitor

Summer 2010

Operation Wallacea, Loreta Peru

I assisted in the collection of data related to wildlife populations along the Samiria River in Peru. Tasks included wildlife transects, bird banding, and the collection of samples to test for chytrid fungus in amphibians.

ADDITIONAL LANGUAGES/SKILLS

French, Advanced Low (Officially tested based on ACTFL guidelines)

Spanish, Conversational

Hebrew, Beginner

ArcGIS: I am proficient in the use of ArcMap and ArcCatalog