

# CURRICULUM VITAE

## - LISA L. WALSH -

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Department of Ecology & Evolutionary Biology and Museum of Zoology  
University of Michigan · 1109 Geddes Avenue · Ann Arbor, Michigan 48109  
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### EDUCATION

#### **Doctor of Philosophy in Biology, University of Michigan (2014-present)**

- Dissertation topic – Understanding the ecological and evolutionary factors driving the on-going range expansion of the Virginia opossum (*Didelphis virginiana*)

#### **Master of Science in Biology, University of Michigan (August 2014)**

- Thesis topic – Investigating the population genetics of an ongoing range expansion in the Virginia opossum (*Didelphis virginiana*)

#### **Bachelor of Arts in Biology and Environmental Science, Bowdoin College (May 2011)**

- Honor's Thesis topic – Distribution of *Symbiodinium* on a Florida Keys Reef
- Graduated Cum Laude

### ACADEMIC APPOINTMENTS

#### **University of Michigan-Ann Arbor**

8/2016-present      **Graduate Curatorial Assistant**, Mammal Division, Museum of Zoology  
9/2016-present      **Graduate Student Instructional Consultant**, Center for Research on  
Learning and Teaching (CRLT)  
8/2013-present      **Graduate Student Mentor**, Program in Biology  
8/2012-5/2016      **Graduate Student Instructor**, Program in Biology

#### **Bowdoin College-Brunswick, Maine**

1/2010-5/2011      **Environmental Science and Quantitative Skills Tutor**, Quantitative  
Reasoning Program

### RELATED EXPERIENCE

#### **University of Michigan Museum of Zoology, Mammal Division**

8/2016-present      **Graduate Curatorial Assistant** – Led the curation of the mammal  
teaching collection and tissue collection; taxonomically organized wet  
collection; prepared rodent, canid, and marsupial specimens for museum  
collection

#### **Ohio Wildlife Center, Columbus, Ohio**

8/2011-8/2012      **Wildlife Rehabilitation Volunteer** – Assessed behavioral changes in  
injured wildlife, maintained detailed records for each animal, cleaned  
cages and prepared food for a variety of diets; trained in administering  
subcutaneous and intramuscular injections for birds and mammals

#### **Save the Manatee Club, Crystal River, Florida**

5/2011-8/2011      **Science and Conservation Intern** - Designed and completed field  
observations of manatees and boater compliance in manatee zones;

compiled and analyzed data for report to U.S. Fish and Wildlife

**Ohio EPA Division of Surface Water, Groveport, Ohio**

5/2008-8/2008

**Summer Research Technician** - Set Hester-Dendy artificial substrate habitats to collect and identify aquatic macroinvertebrates; assessed sites for environmental quality throughout Ohio

**HONORS & AWARDS**

- U-M Graduate Teacher Certificate - University of Michigan (2017) – Designed and implemented a 3-week lab for 110 students to introduce them to research on museum specimens
- Women in STEM scholarship – Finalist (top 1.5%), ABC Humane Wildlife, Inc. (2017)
- Honor Society of Phi Kappa Phi, University of Michigan Chapter (2014)
- Sarah and James Bowdoin Scholar/Dean's List (2008, 2011)
- Doherty Coastal Studies Fellowship (2010)

**RESEARCH INTERESTS**

- The ecological and evolutionary impacts humans have on mammal populations
- Natural history of mammalian species, especially American marsupials
- Evaluating how graduate student instructors impact their undergraduate biology students
- Bringing natural history courses into the 21<sup>st</sup> Century

**PUBLICATIONS**

***PEER-REVIEWED***

**Walsh, L. L.** and P. K. Tucker. *Accepted*. Contemporary range expansion of the Virginia opossum (*Didelphis virginiana*) impacted by humans and snow cover. Canadian Journal of Zoology. <https://doi.org/10.1139/cjz-2017-0071>.

**Walsh, L. L.**, R. Seabloom, and C. W. Thompson. *Accepted*. Range extension of the Virginia opossum (*Didelphis virginiana*) in North Dakota. The Prairie Naturalist, 49.

***IN REVIEW/REVISION***

**Walsh, L. L.** and J. Vernon. How Graduate Student Instructor (GSI) confidence impacts undergraduate outcomes in Introductory Biology Lab. CBE – Life Sciences Education, *in revision*.

***IN PREPARATION***

Giffen, C. and **L. L. Walsh**. Engaging students with biodiversity through the use of research on museum specimens – a laboratory module. *In preparation*.

Vernon, J., **L. L. Walsh**, J. Wolfe, and D. Goldberg. Authentic Research Projects in an Introductory Biology Laboratory Course: Effect on student's persistent, interest, and self efficacy in science. *In preparation*.

**GRANTS (Awarded \$14,882)**

**2017**

**American Society of Mammalogists, Grants-in-Aid of Research**. Evaluating geographic and historical variation in the Virginia opossum diet using stable isotopes. Awarded \$1,151.

**University of Michigan Museum of Zoology, Edwin C. Hinsdale Scholarship.**

Phylogeographic analyses of the Virginia opossum, a marsupial on the move. Awarded \$3,500.

**2016**

**Phi Kappa Phi, University of Michigan Chapter.** Project Grant. Awarded \$3,5000.

**University of Michigan, Peter Olaus Okkelberg Award.** Evaluating diet across habitats and through time to determine anthropogenic influences on a range expansion. Awarded \$1,877.

**University of Michigan, Rackham Conference Travel Grant.** Awarded \$800.

**2015**

**University of Michigan, Department of Ecology and Evolutionary Biology Block Grant.** Investigating teat number for preliminary evidence of selection along a latitudinal gradient. Awarded \$1,877.

**2013**

**University of Michigan, Rackham Graduate Student Research Grant.** The genetic implications of a range expansion in the Virginia opossum (*Didelphis virginiana*). Awarded \$1,5000.

**University of Michigan, Department of Ecology and Evolutionary Biology Block Grant.** The genetic implications of a range expansion in the Virginia opossum (*Didelphis virginiana*). Awarded \$677.

**TEACHING EXPERIENCE**

**University of Michigan-Ann Arbor**

*Graduate Student Instructor*

- Biology of Mammals (EEB 451) – 1 semester
- Introduction to Genetics (BIO 305) – 2 semesters
- Introduction to Biology Lab (BIO 173) – 4 semesters
- Introduction to Biology – Ecology and Evolution (BIO 171) – 3 semesters

**Center of Science and Industry (COSI)**

*Experience Programs Teacher 2012*

- Educated guests by incorporating methods of theatre and scientific demonstrations for groups of all sizes and ages
- Developed and provided creative input for a variety of guest experience interpretations

**Bowdoin College, Quantitative Reasoning Program**

*Environmental Science and Quantitative Skills Tutor 2010-2011*

- Led review sessions for undergraduates seeking guidance with lab reports and analysis

**EDUCATIONAL DEVELOPMENT EXPERIENCE**

**University of Michigan, Center for Research on Learning and Teaching**

*Graduate Student Instructional Consultant 2016 – Present*

- Promote excellence in graduate student teaching across the university through consultations
- Conduct midterm student feedbacks and in-class observations
- Evaluate teaching philosophies submitted by graduate students

### **University of Michigan, Program in Biology**

*Graduate Student Mentor* 2013 - Present

- Facilitate small group meetings to provide a support network for new GSIs
- Observe new GSIs teach and provide feedback on strengths and areas for improvement
- Design and implement seminars for first-time undergraduate teaching assistants

### **PROFESSIONAL PRESENTATIONS AND MEETINGS**

- Walsh, L.**, and P.K. Tucker. 2016. Midwest range expansion of the Virginia opossum impacted by agriculture and snow cover. Page 113 in Abstract Book- 96<sup>th</sup> Annual Meeting of the American Society of Mammalogists June, 2016. Minneapolis, Minnesota.
- Walsh, L.** August 2014. Investigating the population genetics of an ongoing range expansion in the Virginia opossum (*Didelphis virginiana*). [Master's Thesis Defense] University of Michigan, Ann Arbor, MI.
- Tripp, K. and **L. Walsh**. 2012. Summer Vessel Activity & Compliance in Important Manatee Habitat- Kings Bay, Florida. Page 45 in Abstracts- Florida Marine Mammal Health Conference IV, 24-27 April, 2012. Sarasota, Florida.
- Walsh, L.** May 2011. Distribution and diversity of free-living *Symbiodinium* in the Florida Keys. [Honors Dissertation presentation] Bowdoin College Biology Department Honors Presentations, Brunswick, ME.
- Walsh, L.** and D.J. Thornhill. October 2010. Evaluating the distribution of free-living *Symbiodinium* on a Florida Keys reef. [Poster presentation] National Ocean Policy Symposium, Brunswick, ME.

### **SERVICE & LEADERSHIP**

- **University of Michigan Ecology & Evolutionary Biology Department**, *Early Career Scientist Symposium Committee* (2017-Present)
- **University of Michigan English Language Institute**, *Experienced Graduate Student Instructor Consultant* (2017)
- **University of Michigan Ecology & Evolutionary Biology Department**, *Undergraduate Affairs Committee Graduate Student Representative* (2016-2017)
- **University of Michigan Phi Kappa Phi Chapter**, *Student Vice President* (2016-2017)
- **University of Michigan Center for Research on Learning & Teaching**, *Practice Teaching Facilitator* (2016)
- **University of Michigan REBUILD**, *Graduate Student Instructor consultant* (2015-2016)
- **Ohio Wildlife Center**, *Wildlife Rehabilitation Volunteer* (2011-2012)
- **Save the Manatee Club**, *Science and Conservation Intern* (2011)

### ***PROFESSIONAL SOCIETY MEMBERSHIPS***

**Current** - American Society of Mammalogists (2016-present), Great Plains Natural Science Society (2017)

### **PUBLIC OUTREACH**

- **University of Michigan Museum of Zoology** – Integrated Digitized Biocollections Conference (led museum tour for visiting researchers)
- **University of Michigan Museum of Natural History** – ID Day (event for public to interact and share their collections with curatorial staff)
- [Grand Forks Herald](#) - Grand Forks opossum slain; body to go to University of Michigan for research (interview)