

# Curriculum Vitae

## Emily A.W. Nadeau

### Address

University of Kentucky  
Department of Entomology  
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### Education

University of Kentucky, Lexington, KY	2015-2017
Masters of Science: entomology, August 2017	
Thesis Title: "Binding, Protection, and RNA Delivery Properties of Porous Silica Nanoparticles in <i>Spodoptera frugiperda</i> Cells"	
Washington State University, Pullman, WA	2012-2015
Bachelor of Science: biology with entomology emphasis, history minor, May 2015	
Olympic College, Bremerton, WA	2010-2012
Associates of Arts, May 2012	

### Professional Experience

Graduate Research Assistant, University of Kentucky with Dr. Bruce Webb	2015-present
Skills acquired: blowfly rearing, cell culture, DNA extraction, PCR, RNA synthesis, various types of gel electrophoresis, nuclease protection assays, diffusivity testing with confocal microscopy, training of four undergraduates	
Undergraduate Research Assistant, Washington State University	
Lab of Dr. David Moffett	2013-2015
Skills acquired: microdissection of mosquito larvae, Bradford assays, PAGE, IACUC certification for work on rodents	
Lab of Dr. Richard Zack	May-July 2014
Skills acquired: sorting insects, specimen preservation, collections record keeping	

### GRE Test Scores

Test taken on November 5, 2014  
Verbal Reasoning: 157  
Quantitative Reasoning: 144  
Analytical Writing: 4.5

### Organizations

Wildlife Society, Washington State University Chapter	2013-2014
Alpha Chi Omega Sorority, Omega Chapter	2012-2013
Entomological Society of America, Student Member	2014-present
Graduate Student Congress	2016-May 2017
Departmental representative for Entomology	
American Association for the Advancement of Science	2015-present

### Volunteer Events

Citizen Science: University of Kentucky Monarch Restoration	May-September 2016
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Cared for and monitored two tropical milkweed plants three times each week  
H. Garman Entomology Club's Insect Safari September 2016  
Co-led night walks through campus arboretum to hunt for insects with children and their parents, ran display tables while not in the arboretum  
Explorium of Lexington: Weekend Children's Insect Zoo May 2016  
Ran activity table in the insect section of a children's science museum  
Pest Control Short Course: Student Volunteer November 2016

## Honors and Awards

Olympic College

- Dean's List Scholar: four of seven quarters
- Phi Theta Kappa: active member from 2010-2012

Washington State University

- Academic Excellence Award: tuition award received for excellent high school grades
- President's Honor Roll: maintained a GPA of 3.5 or above for 2012-2013 academic year and Spring 2015 semester
- Delta Alpha Pi: disabled student honor society, active member for the 2014-2015 school year

## Scientific Posters \*Contributed \*\*Invited

Nadeau, E. et al. 2016. Nanoparticles and Nucleic Acids: Binding, Dissociation, and RNAi. International Congress of Entomology, Orlando, FL.\*  
Nadeau, E. et al. 2016. Nanoparticles and Nucleic Acids: Binding, Dissociation, and RNAi. SPARK Business Ventures Competition, Lexington, KY.\*\*

## References

Dr. Bruce Webb

- Office phone: (859) 257-7415
- Email: bawebb@email.uky.edu

Dr. Laura Lavine

- Office phone: (509) 335-7907
- Email: lavine@wsu.edu

Dr. Barbara Knutson

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