

Laura L. Ingwell

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Education

Doctor of Philosophy (Ph.D.), Entomology, University of Idaho, May 2014

Advisor: Dr. Nilsa A. Bosque-Pérez

Dissertation title: The *Barley yellow dwarf virus-Rhopalosiphum padi* pathosystem: an examination of host plant-virus-vector interactions

Masters of Science (M.S.), Ecology, University of Rhode Island, December 2009

Advisor: Dr. Evan L. Preisser

Thesis title: Naturally-occurring resistance among eastern hemlock (*Tsuga canadensis*) to the invasive hemlock woolly adelgid (*Adelges tsugae* Annand; HWA)

Bachelor of Science (B.S.), Biology, University of Wisconsin-Milwaukee, May 2006

Current Position

Postdoctoral Research Associate, Purdue University (Entomology), March 2014-present

Advisor: Ian Kaplan

Peer Reviewed Publications

Ingwell, L.L., Avila-Ruiz, D.A., Foster, R.E. and I. Kaplan. 2018. Tailoring insect biocontrol for high tunnels. *Biological Control* DOI: 10.1016/j.biocontrol.2018.04.012

Ingwell, L.L., Thompson, S.L., Kaplan, I. and R.E. Foster. 2017. High Tunnels: Protection for, rather than from, insect pests? *Pest Management Science* DOI: 10.1002/ps.4634

Ingwell, L.L., LaCroix, C.J., Rhoades, P.R., Karasev, A.V. and N.A. Bosque-Pérez. 2017. Agroecological and environmental factors influence Barley yellow dwarf viruses in grasslands in the US Pacific Northwest. *Virus Research* DOI: 10.1016/j.virusres.2017.04.010

Sadeghi, S.E., Bjur, J., **Ingwell, L.L.**, Unger, L., Bosque-Pérez, N.A., and S.D. Eigenbrode. 2016. Interactions between *Metopolophium festucae cerealium* (Hemiptera: Aphididae) and Barley yellow dwarf virus (BYDV-PAV). *Journal of Insect Science* **16**(1): 21; 1-6. DOI: 10.1093/jisesa/iev160.

Ingwell, L.L. and N.A. Bosque-Pérez. 2015. New experimental hosts of *Barley yellow dwarf virus* among wild grasses with implications for grassland habitats. *Plant Pathology* **64**(6): 1300-1307. DOI 10.1111/ppa.12387

Ingwell L.L., Bosque-Pérez N.A., 2015. The invasive weed *Ventata dubia* is a host of *Barley yellow dwarf virus* with implications for an endangered grassland habitat. *Weed Research* **55**(1): 62-70. DOI 10.1111/wre.12110

Ingwell, L.L., R. Zemetra, C. Mallory-Smith and N.A. Bosque-Pérez. 2014. *Arundo donax* infection with *Barley yellow dwarf virus* has implications for biofuel production and nonmanaged habitats. *Biomass and Bioenergy* **66**: 426-433. DOI <http://dx.doi.org/10.1016/j.biombioe.2014.03.043>.

- Roosien, B.K., R. Gomulkiewicz, **L.L. Ingwell**, N.A. Bosque-Pérez, D. Rajabaskar and S.D. Eigenbrode. 2013. Conditional vector preference aids the spread of plant pathogens: Results from a model. *Environmental Entomology* **42**(6): 1299-1308.
- Ingwell, L.L.**, M. Miller-Pierce, R.T. Trotter III, and E.L. Preisser. 2012. Vegetation and invertebrate community response to eastern hemlock decline in southern New England. *Northeastern Naturalist* **19**(4): 541-558.
- Ingwell, L.L.**, S.D. Eigenbrode, and N.A. Bosque-Pérez. 2012. Plant viruses alter insect behavior to enhance their spread. *Scientific Reports* **2**: 578 DOI 10.1038/srep00578.
- Ingwell, L.L.** and E. Preisser. 2011. Using citizen science programs to identify host resistance in pest-invaded forests. *Conservation Biology* **25**(1): 182-188.
- Ingwell, L.L.**, S.J. Wright, K.K. Becklund, S.P. Hubbell, and S.A. Schnitzer. 2010. The impact of lianas on 10 years of tree growth and mortality on Barro Colorado Island, Panama. *Journal of Ecology* **98**: 879-887.
- Ingwell, L.L.**, J. Brady, M. Fitzpatrick, B. Maynard, R. Casagrande, and E. Preisser. 2009. Intraspecific variation in *Tsuga canadensis* foliar chemistry. *Northeastern Naturalist* **16**(4): 585-594.

Extension Publications

- Ingwell, L.L.** 2017. Two-spotted spider mite control. *Vegetable Crops Hotline*. Issue 631. Retrieved from <https://vegcropshotline.org/article/two-spotted-spider-mite-control/>
- Ingwell, L.L.** [PurdueExtensionEntm]. (2017, May 18). Installing high tunnel insect exclusion screen [Video File]. Retrieved from <https://youtu.be/U1BYxOXc-RM>
- Ingwell, L. L.** and I. Kaplan. 2017. High tunnel screening for insect pest management. *Vegetable Crops Hotline*. Issue 624. Retrieved from <https://vegcropshotline.org/article/high-tunnel-screening-for-insect-pest-management/>
- Ingwell, L.L.** 2016. Aphid management in winter green production in high tunnels. *Vegetable Crops Hotline*. Issue 622. Retrieved from <https://vegcropshotline.org/article/aphid-management-in-winter-green-production-in-high-tunnels/>
- Ingwell, L.L.** 2016. Considerations and suppliers for biological control. *Vegetable Crops Hotline*. Issue 616. Retrieved from <https://vegcropshotline.org/article/considerations-and-suppliers-for-biological-control/>
- Ingwell, L.L.** and R.E. Foster. 2016. Augmentation biological control in high tunnels. *Vegetable Crops Hotline*. Issue 615. Retrieved from <https://vegcropshotline.org/article/augmentation-biological-control-in-high-tunnels/>
- R.E. Foster and **L.L. Ingwell**. 2016. Aphids in high tunnels. *Vegetable Crops Hotline*. Issue 614. Retrieved from <https://vegcropshotline.org/article/aphids-in-high-tunnels/>

Funding and Awards

- USDA NCR-SARE.** “Improving seedless cucumber production to diversify high tunnel crops in the North Central Region”. Co-PI. 2017 – \$200,000
- Mary S. Rice Grant. “High tunnel maintenance and crop protections of specialty crops research”. Purdue University, 2017 – \$10,000
- Mary S. Rice Grant. “Updates to Meigs high tunnels”. Purdue University, 2016 – \$6,000
- NIFA USDA AFRI-ELI Postdoctoral Fellowship.** “Integrating epidemiology, vector control, and natural crop resistance to manage a devastating beetle-transmitted cucurbit pathogen”. 2016-2017 – \$150,000
- Mary S. Rice Grant. “Rotary plow and other accessories for the BCS tractor to facilitate research in high tunnels”. Purdue University, 2015 – \$7,125
- USDA-AFRI Student Travel Grant Award. ESA Annual Mtg. Austin, TX, Nov. 2013 – \$500
- Graduate and Professional Student Association Travel Award. (U. Idaho). 2012-2013 – \$450
- Student Leadership Award. ESA Pacific Branch Meeting. Lake Tahoe, Nevada, April 2013
- Pacific Branch of the Entomological Society of America Travel Award 2013 – \$200
- 2nd Place PhD Student Paper Presentation. ESA Pacific Branch Mt. Waikoloa, HI, March 2011
- Graduate and Professional Student Association Travel Award. (U. Idaho). 2010-2011 – \$623
- URI Graduate Research Grant 2009 – \$800
- 1st Place Oral Presentation, Northeastern Biol. Grad. Student Conf. Halifax, NS 2009 – \$100
- Sigma Xi Grant-in-Aid of Research Award 2008-2009 – \$400
- Department of Biological Sciences Graduate Student Teaching Award (URI) 2008-2009

Invited Seminars

- University of Illinois Urbana Champaign, Dept. of Crop Science – Urbana, IL, Feb. 2017
- Montana State University, Dept. of Research Centers – Bozeman, MT, Nov. 2016
- Oregon State University, Dept. of Crop and Soil Science – Corvallis, OR, April 2016
- University of Wisconsin Green Bay, Dept. of Biology – Green Bay, WI, Dec. 2015
- Loyola University, Institute of Environmental Sustainability – Chicago, IL, Feb. 2015
- Purdue University Calumet, Department of Biology – Hammond, IN, Feb. 2015
- Purdue University, EcoLunch Seminar Series – West Lafayette, IN, Oct. 2014
- Purdue University, Entomology Seminar Series – West Lafayette, IN, Aug. 2014

Invited Symposium Presentations

- Ingwell, L.L.** 2018. Urban food production and entomological opportunities. Entomological Society of America North Central Branch Annual Meeting. Madison, WI. March 18-21, 2018.
- Szendrei, Z., T. Wood, Y. Zhang, **L.L. Ingwell** and I. Kaplan. 2018. Quantifying health risks to honey bees in pickling cucumbers in agroecosystems in Michigan. Entomological Society of America North Central Branch Annual Meeting. Madison, WI. March 18-21, 2018.
- Ingwell, L.L.** 2018. Pest management in high tunnels. Indiana Small Farm Conference. Danville, IN. March 1-3, 2018.
- Ingwell, L.L.** 2018. Insect and mite management in greenhouse production. Indiana Horticultural Congress. Indianapolis, IN. February 13-15, 2018.
- Ingwell, L.L.** and N.A. Bosque-Pérez. 2017. Landscape factors to consider when managing vector-borne pathogens. Entomological Society of America North Central Branch Annual Meeting. Indianapolis, IN. June 4-7, 2017.

Ingwell, L.L., R. Foster and I. Kaplan. 2017. Lessons learned in high tunnel vegetable production: The good, the bad and the wilt. Entomological Society of America North Central Branch Annual Meeting. Indianapolis, IN. June 4-7, 2017.

Ingwell, L.L. 2017. High tunnel cucumber beetle management. Indiana Horticultural Congress. Indianapolis, IN. Jan. 10-12, 2017.

Ingwell, L.L. and N.A. Bosque-Pérez. 2016. Factors affecting aphid-luteovirus interactions in agricultural and non-managed ecosystems. International Congress of Entomology in conjunction with the Entomological Society of America Annual Meeting. Orlando, FL. Sept. 25-30, 2016.

Ingwell, L.L., N.A. Bosque-Pérez, and I. Kaplan. 2016. Examining vector-pathogen-host plant interactions: insights from a virus and bacterium. Entomological Society of America North Central Branch Annual Meeting. Cleveland, OH. June 5-8, 2016.

Ingwell, L.L., R. Foster and I. Kaplan. 2016. Biological control in high tunnels. Indiana Horticultural Congress. Indianapolis, IN. Jan. 19-21, 2016.

Ingwell, L.L., R. Foster and I. Kaplan. 2015. Experiences with biological control in high tunnels. Indiana Horticultural Congress. Indianapolis, IN. Jan. 20-22, 2015.

Bosque-Pérez, N.A., **L.L. Ingwell,** D. Rajabaskar, and S.D. Eigenbrode. 2012. Plant-virus-vector interactions: Insights from Luteovirus pathosystems. Fifth Plant Virus Ecology Network Workshop. Lawrence, Kansas. September 10-13, 2012.

Ingwell, L.L., and N.A. Bosque-Perez. 2012. Using molecular tools to study plant virus-vector interactions. Entomological Society of America Pacific Branch Annual Meeting, Portland, Oregon. March 25-28, 2012.

Bosque-Pérez, N.A., **L.L. Ingwell,** and S.D. Eigenbrode. 2011. The influence of virus-induced changes in plants on aphid vectors and potential impacts on virus disease epidemiology. American Phytopathological Society Caribbean Division and Entomological Society of America South Eastern Branch Joint Meeting. San Juan, Puerto Rico. March 19-22, 2011.

Ingwell, L.L., N.A. Bosque-Pérez, and S.D. Eigenbrode. 2011. Viruliferous and nonviruliferous aphids differ in their responses to Barley yellow dwarf virus-infected plants. Fourth Plant Virus Ecology Network Workshop, Montpellier, France. May 29-June 1, 2011.

Roosien, B.K., R. Gomulkiewicz, **L.L. Ingwell,** N.A. Bosque-Pérez, and S.D. Eigenbrode 2011. Plant infection status and acquisition of virus affect vector behavior and the spread of plant viruses: Results from a model. Fourth Plant Virus Ecology Network Workshop, Montpellier, France. May 29-June 1, 2011.

Invited Extension Presentations

Ingwell, L.L. 2017. Pest management in high tunnels. Hamilton County Beginning Farmer Tour and Workshop. Noblesville, IN. September 27, 2017.

Ingwell, L.L. 2017. Pollinators in home gardens. Pinney-Purdue Vegetable and High Tunnel Field Day. Wanatah, IN. August 15, 2017.

Ingwell, L.L. 2017. Pollinators in pumpkin production. Pinney-Purdue Vegetable and High Tunnel Field Day. Wanatah, IN. August 15, 2017.

Contributed Presentations

Ingwell, L.L. and I. Kaplan. 2017. New approaches to managing cucumber beetles and bacterial wilt. Entomological Society of America Annual Meeting, Denver, CO. November 5-8, 2017.

Bosque-Pérez, N.A., and **L.L. Ingwell**. 2016. The prevalence of Barley yellow dwarf viruses in grassland habitats is influenced by diverse agroecological and environmental factors. 2nd International Conference on Wild Plant Pathosystems. Helsinki, Finland. August 28-31, 2016.

Ingwell, L.L., C. LaCroix, P.R. Rhoades, and N.A. Bosque-Pérez. 2016. Virus infection in an endangered grassland habitat. 13th Plant Virus Epidemiology Symposium. Avignon, France. June 6-10, 2016.

Ingwell, L.L., Foster, R., and I. Kaplan. 2015. Biological control in high tunnel agriculture: An effective pest management tool? Entomological Society of America Annual Meeting, Minneapolis, MN. November 15-18, 2015

Ingwell, L.L., Foster, R., and I. Kaplan. 2014. Predator conservation in protected agriculture. Entomological Society of America Annual Meeting, Portland, OR. November 16-19, 2014

Ingwell, L.L., N. A. Bosque-Pérez, S. D. Eigenbrode and L.M. Unger. 2013. Examining vector movement among infected and noninfected hosts in the *Rhopalosiphum padi*-Barley yellow dwarf virus-wheat pathosystem. Entomological Society of America Annual Meeting, Austin, TX. November 10-13, 2013.

Ingwell, L.L., C. Lacroix, and N. A. Bosque-Pérez. 2013. A survey of Barley/Cereal yellow dwarf viruses in Palouse Prairie and CRP habitats in the Pacific Northwest. Entomological Society of America Pacific Branch Annual Meeting, Lake Tahoe, NV. April 7-10, 2013.

Bosque-Pérez, N.A., **L.L. Ingwell**, D. Rajabaskar, and S.D. Eigenbrode. 2012. Acquisition of plant viruses changes host plant preference of aphid vectors. XXIV International Congress of Entomology. Daegu, Korea. August 19-25, 2012.

Ingwell, L.L., and N.A. Bosque-Pérez. 2012. The presence of Barley/Cereal yellow dwarf viruses among grass hosts in habitat fragments within an agricultural matrix in the Pacific Northwest. Ecological Society of America Annual Meeting, Portland, Oregon. August 5-10, 2012.

Ingwell, L.L., M.R. Miller-Pierce, R.T. Trotter III and E.L. Preisser. 2012. Vegetation and invertebrate community response to Eastern hemlock decline in southern New England. Ecological Society of America Annual Meeting, Portland, Oregon. August 5-10, 2012. (Poster presentation)

Ingwell, L.L., N.A. Bosque-Pérez, L.M. Unger and S.D. Eigenbrode. 2012. Acquisition of Barley yellow dwarf virus alters host plant preference of its aphid vector. Entomological Society of America Pacific Branch Annual Meeting, Portland, Oregon. March 25-28, 2012.

Ingwell, L.L., N.A. Bosque-Pérez, L.M. Unger and S.D. Eigenbrode. 2011. Viruliferous and nonviruliferous bird-cherry oat aphids exhibit differential responses to Barley yellow dwarf

virus-infected plants. Entomological Society of America Annual Meeting, Reno, Nevada. November 13-16, 2011.

Ingwell, L.L. 2011. Viruliferous and nonviruliferous aphid responses to Barley yellow dwarf virus-infected plants. University of Idaho Innovation Showcase. April 28, 2011.

Ingwell, L.L., N.A. Bosque-Pérez, and S.D. Eigenbrode. 2011. Viruliferous and nonviruliferous aphid responses to *Barley yellow dwarf virus*-infected plants. Entomological Society of America Pacific Branch Annual Meeting, Waikoloa, Hawaii. March 27-30, 2011.

Roosien, B.K., R. Gomulkiewicz, **L.L., Ingwell,** N.A. Bosque-Pérez, and S.D. Eigenbrode. 2011. Host plant preference, vector infectivity and disease status of plants affect the spread of plant viruses: results from a model. Entomological Society of America Pacific Branch Annual Meeting, Waikoloa, Hawaii. March 27-30, 2011. (Poster presentation)

Ingwell, L.L., N.A. Bosque-Pérez, and S.D. Eigenbrode 2010. Effects of *Barley yellow dwarf virus* infection in wheat on behavior of viruliferous and nonviruliferous aphids. Entomological Society of America Annual Meeting. San Diego, California. December 12-15, 2010. (Poster presentation)

Ingwell, L.L., N.A. Bosque-Pérez, L.M. Unger, H. Ding, A.V. Karasev, and S.D. Eigenbrode. 2010. Bird cherry-oat aphid behavior in response to barley yellow dwarf virus disease infection of wheat. Joint Meetings Plant Virus Epidemiology Symposium and Plant Virus Ecology Network. Ithaca, New York. June 20-24, 2010. (Poster presentation)

Ingwell, L.L., N.A. Bosque-Pérez, L.M. Unger, H. Ding, A.V. Karasev, R.S. Zemetra, and S.D. Eigenbrode. 2010. Bird cherry-oat aphid behavior in response to *Barley yellow dwarf virus* disease progression. Entomological Society of America Pacific Branch Annual Meeting, Boise, Idaho. April 11-14, 2010.

Ingwell, L.L., E.L. Preisser and R. Casagrande. 2009. Integrating the search for resistant/tolerant hosts into an invasive management strategy. Ecological Society of America Annual Meeting, Albuquerque, New Mexico. August 2-7, 2009.

Ingwell, L.L. 2009. Intraspecific variation in *Tsuga canadensis* foliar chemistry. Northeastern Biological Graduate Students Conference, Halifax, Nova Scotia. March 27-29, 2009.

Ingwell, L.L., J. Brady, M. Fitzpatrick, B. Maynard, R. Casagrande and E.L. Preisser. Intraspecific variation in *Tsuga canadensis* foliar chemistry. 20th U.S. Department of Agriculture Interagency Research Forum on Invasive Species. Annapolis, Maryland. January 13-16, 2009.

Ingwell, L.L., J. Brady, M. Fitzpatrick, R. Casagrande, B. Maynard, and E.L. Preisser. 2008. Intraspecific terpenoid variation in eastern hemlocks and the potential for resistance to the hemlock woolly adelgid. Ecological Society of America Annual Meeting, Milwaukee, Wisconsin. August 3-8, 2008. (Poster presentation)

Ingwell, L.L., B. Maynard, R. Casagrande, and E.L. Preisser. Naturally occurring adelgid resistance in Eastern hemlocks. 4th Symposium on Hemlock Woolly Adelgid in the Eastern United States. Hartford, Connecticut. February 12-14, 2008. (Poster presentation)

Teaching Experience

Course Development:

Purdue University

- Co-developed and taught a scientific writing course for graduate/undergraduate students –Spring 2015, 2016, 2017

Guest Lectures:

Loyola University

- The Scientific Basis of Environmental Issues: Genetic Engineering – Spring 2015

Purdue University

- Grants and Grantsmanship – Spring 2018
- Integrated Pest Management – Fall 2016
- Entomology Graduate Student Orientation – Fall 2016, 2014
- Disease Ecology – Spring 2016, 2017, 2018
- Advanced Insect Taxonomy: Hemiptera – Fall 2015
- Insect Ecology: Insect vectors of pathogens and disease – Spring 2015

University of Idaho

- Insect Ecology: Mutualisms – Fall 2013
- Insect Ecology: Competition – Fall 2013

Washington State University

- Viruses and Virus Diseases of Plants: Insect vectors – Spring 2013

Teaching Assistantships:

University of Rhode Island

- BIO 323: Field Botany – Fall 2008
- BIO 262: Introductory Ecology – Fall 2008
- BIO 101: Introductory Biology Laboratory – Fall 2007

University of Wisconsin-Milwaukee

- BIO 102: Elements of Biology Laboratory – Fall 2006

Extension Experience – Field Days

Pinney-Purdue Vegetable and High Tunnel Field Day – 2017

Organized and Hosted High Tunnel Field Day at Meigs Horticulture Farm – 2017

Meigs Horticulture Farm Tour for 4-H Academy – 2017

Meigs Horticulture Farm Tour for Introduction to Entomology Class – 2016, 2017

Meigs Horticulture Farm Tour for Integrated Pest Management Class – 2016

Meigs Horticulture Farm Tour for Visiting Scholars from Columbia – 2015

Meigs Horticulture Farm Tour for small group of local growers – 2015

Participation in the Specialty Crop Field Day at Meigs Horticulture Farm – 2014

Meigs Horticulture Farm Tour for Visiting Scholars from Afghanistan – 2014

Meigs Horticulture Farm Tour for Molecular Agriculture Summer Institute (Purdue) – 2014

Mentoring Experience

Purdue University

- Capstone senior projects: Zachary Webster
- International visiting students: Diego Alejandro Avila Ruiz, Xiaohong Li
- Research Assistantships: undergraduates and graduates mentored: Netlaie Eason, Alex Truitt, Danielle Ryan, Elizabeth Nortman, Isha Mehta, Ivy Widick, Ashley Kirtman, Erin Fegley, Stephanie Russell, Nick Kalejs, Anna Petroff, Natalie Euler

University of Idaho

- Research Assistantships: undergraduates mentored: Cassandra Sago

University of Rhode Island

- Research Assistantships: undergraduates mentored: Jenna Turner, Peter Lewis, Jackie Vansant

Professional Service

Reviewer: *Journal of Economic Entomology, Biocontrol Science and Technology, Insect Science, New Phytologist, African Journal of Agricultural Research, Current Opinion in Virology, Plant Pathology, Entomologia Experimentalis et Applicata, Integrative and Comparative Biology, Plant Disease, Forest Ecology and Management, Ecosphere, Current Opinion in Insect Science, Canadian Journal of Plant Pathology*

Ad Hoc Grant Reviewer: USDA-NIFA Foundational Program 2016, NSF-DEB 2015

Purdue Undergraduate Research Conference

- Judged poster presentations for student competition – 2017, 2018

Ohio Valley Entomological Association (OVEA)

Annual Forum

- Judged oral presentations for student competition – Nov. 4, 2016

Panelist for Work-Life Balance Forum – March 29, 2016

Graduate Women in College of Agriculture, Purdue University

- Participated as a panelist in a discussion on attaining work-life balance

6th Annual Conference for Pre-Tenure Women – Sept. 24-25, 2015

- Participated in a Hot Topic session titled “Exploring the Post Doc Experience”

Entomological Society of America

Annual Meeting

- Judged posters for student competition – Nov. 15-18, 2015

Annual Meeting

- Judged oral presentations for student competition – Nov. 15-19, 2014

Pacific Branch Entomological Society of America

Annual Meeting

- Co-organized student symposium entitled “Diffusion of Innovations- A 50 year anniversary” – April 7-10, 2013

University of Idaho, Aldrich Entomology Club

President – 2011-2012

- Updated and maintained formal By-laws of the club
- Invited faculty from other universities to participate in a Bi-University Guest Speaker Series hosted by U Idaho and Washington State University
- Hosted luncheons and meetings with visiting faculty for students to network and share research ideas

Secretary – 2010-2011

- Re-established the club after years of vacancy in the department
- Hosted and participated in teambuilding activities
- Coordinated outreach opportunities in the community

University of Idaho, Linnaean Games, Team Leader – 2010-2012

- Competed at the Entomological Society of America's Pacific Branch meeting in Portland, OR (Mar 2012) and Waikoloa, HI (Mar 2011)
- Organized review sessions and mock games in preparation for the event with other team members and a faculty adviser

University of Rhode Island, Graduate Student Association

Secretary – 2008-2009

- Organized networking events for graduate students
- Served as the graduate student representative University faculty meetings
- Distributed university funds to graduate students and organizations

Biology Department Representative – 2007-2008

- Attended biology department meetings as a graduate student representative
- Voted on policies, constitution and by-laws changes for the GSA
- Served on committees to organize campus-wide events

Professional Development

USDA-SARE Our Farms Our Future Conference, St. Louis, MO – April 3-4, 2018

- Attended the 30th International conference on sustainable farming systems

Safe Zone Training completed, provided by Purdue LGBTQ Center – March 7, 2018

Good Agricultural Practices Certification – February 15, 2018

Trans Inclusion Training completed, provided by Purdue LGBTQ Center – February 7, 2018

Indiana Food Summit – September 26, 2017

- Attended one-day conference dedicated to local food movement in Indiana
- Moderated session dedicated to engaging and educating consumers, chefs and farmers

8th Annual Conference for Pre-Tenure Women – September 7-8, 2017

- Attended conference and participated in associated sessions aimed at success and support of women and minorities in academia

Course: Preparing Future Faculty, Purdue University – Spring 2017

Local Food Summit – October 6, 2016

- Attended one-day conference dedicated to local food movement in Indiana
- Participated in discussions around food availability, security and the Farm to School program

Workshop: Building an Effective Extension Program, Purdue University – April 2016

Workshop: Working with Print and Television Media, Purdue University – March 2016

Short course: High-Impact Principles and Practices for STEM Education, University of Michigan – Fall 2015

Outreach Experience

Bug Bowl, Purdue University, West Lafayette, IN – April 15, 2018

Insect Petting Zoo Volunteer

Insect Pollinator Program, Lily Nature Center, West Lafayette, IN – March 13, 2018

- Provided an interactive program focusing on pollinator identification and protection to 17 students in grades 3-5.

Insect Expo at the International Congress of Entomology, Orlando, FL – September 2016

Insect Education Volunteer

- Interacted with 2500 local children through hands-on demonstrations

Insectaganza, Purdue University, West Lafayette, IN – October 2015

Insect Education Volunteer

- Led guided dissections of grasshoppers to k-12 school children

Francis Bellamy Pre-School Center, Indianapolis, IN – June 11, 2014

Insect Education Outreach

- Visited pre-school aged children and shared information about insects

Palouse-Clearwater Environmental Institute, Moscow, ID – October 2010, 2012

Animals of the Night Volunteer

- Coordinated a display of insects to educate families in the community