

Sara L. Hermann

Michigan State University, Department of Entomology
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EDUCATION

- Doctor of Philosophy** - Michigan State University – PI: Doug Landis 2015-present
Major – *Insect Ecology, Landscape Ecology, Sustainable Agriculture*
- Masters of Science** - Cornell University - Ithaca New York – PI: Jennifer Thaler 2012-2015
GPA 4.0 Major - *Insect Ecology and Sustainable Agriculture*, Department of Entomology
- Bachelors of Science** - University of South Florida - Tampa, Florida 2009-2011
GPA, 3.71 Major - *Environmental Science and Policy*, Department of Geography
- Associates of Arts**- Polk State College - Winter Haven, Florida 2008-2009
GPA, 3.55 Phi Theta Kappa Major - *Liberal Arts and Sciences*
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PEER REVIEWED PUBLICATIONS

- Hermann SL**, Thaler JS. Non-consumptive effects drive behavioral shifts in an agricultural pest system. (In Prep).
- Buchanan A, Lund M, **Hermann SL** & Zsendrei Z. Individual predator and prey characteristics influence strength of non-consumptive effects: a meta-analysis. (In Prep)
- Hermann SL** & Landis DA. Scaling up our understanding of non-consumptive effects in insect systems. **Current Opinions in Insect Science**. (In review)
- Hermann SL**, Xue S, Rowe L, Davidson-Lowe E, Myers AT, Eshchanov B, Bahlai CA. Thermally moderated firefly activity is delayed by precipitation extremes. **Royal Society of Open Science**. (In revision).
- Kirkpatrick DM, McGhee PS, **Hermann SL**, Gut LJ, Miller JR. (2015). Alightment of Spotted Wing *Drosophila*, *Drosophila suzukii* (Diptera: Drosophilidae) on odorless disks varying in color. **Environmental Entomology**.
- Dobson AJ, Chaston JM, Newell PD, **Hermann SL**, Donahue L, Sannino DR, Westmiller S, Wong ACN, Clark AGC, Lazzaro BP, Douglas AED. (2015). Host genetic determinants of microbiota-dependent nutrition revealed by genome-wide analysis of *Drosophila melanogaster*. **Nature Communications**
- Hermann SL**, Thaler JS (2014) Prey perception of predation risk: volatile chemical cues mediate non-consumptive effects of a predator on a herbivorous insect. **Oecologia** 669–676. doi: 10.1007/s00442-014-3069-5
- Mann, RS, Ali, JG, **Hermann, SL**, Tiwari, S, Pelz-Stelinski, KS, Alborn, HT, Stelinski, LL. (2012). Induced release of a plant-defense volatile 'deceptively' attracts insect vectors to plants infected with a bacterial pathogen. **PLoS Pathogens**
- Mann, RS, Pelz-Stelinski KS, **Hermann, SL**, Tiwari, S, Stelinski, LL. (2011). Sexual transmission of a plant pathogenic bacterium, *Candidatus Liberibacter asiaticus*, between conspecific insect vectors during mating. **PLoS ONE**
- Onagbola, EO, Boina, DR, **Hermann, SL**, Stelinski, LL. (2009). Antennal Sensilla of *Tamarixia radiata*(Hymenoptera: Eulophidae), a parasitoid of *Diaphorina citri* (Hemiptera: Psyllidae). **Annals of the Entomological Society of America**
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PRESENTATIONS

- Student Speaker**, Entomology Society of America, Minneapolis, Minnesota (Nov 2015)
 - Selected Speaker**, International Society for Chemical Ecology, Stockholm Sweden (July 2015)
 - Invited Speaker**, Entomology Society of America, Portland, Oregon (Nov 2014)
 - Selected Speaker**, Symposium for Insect Plant interactions, Neuchâtel, CH (Aug 2014)
 - Selected Presenter**, International Society for Chemical Ecology Champaign-Urbana, IL (July 2014)
 - Student Speaker**, Annual Department of Entomology Symposium – Cornell University (January, 2014)
 - Student Speaker**, Entomology Society of America, Austin, Texas (Nov 2013)
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OUTREACH, LEADERSHIP, AND SERVICE

- Peer-Reviewer, Florida Entomologist (Fall 2016)
 - Peer-Reviewer, PLOS ONE (Fall 2015)
 - Peer-Reviewer, Journal of Asia-Pacific Entomology (Summer 2015)
 - Department of Entomology Annual Outreach Event - Insectapalooza (Fall 2013)
Graduate Committee Chair/Organizer – organized volunteers and helped run event
 - Cornell University's Outreach – 4-H Career Explorations workshop – Summer 2013
Took part in presenting Entomological career options to middle and high school students
 - Cornell University Graduate Student School Outreach Project (GRASSHOPR) – Spring 2013
Lead Beautiful Bugs curriculum with two other graduate students for three weeks in 1st grade
 - Cornell University Annual Outreach Event - Expanding your Horizons (Spring 2013)
Acted as a co-chair of maps and transportation, helped to organize the event
 - Outreach Program - 6 weeks - IC3 Montessori School (Spring 2013)
Taught school-age children about insects in general as well as their importance of insects in our natural world and allowed them to interact with and become comfortable with live specimen
 - Department of Entomology Annual Outreach Event - Insectapalooza (Fall 2012)
Helped to organize booths and ran a booth to inform children about insects
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POSTER PRESENTATIONS

- Exploiting the Landscape of Fear as an Insect Control Tactic. **Hermann SL**, Bahlai CA and Landis DA. (Gordon Research Conference on Predator-Prey Interactions. Ventura Beach, California. Jan 2016).
- Exploiting the Landscape of Fear as an Insect Control Tactic. **Hermann SL**, Bahlai CA and Landis DA. (2015 All-Scientist Meeting- NSF Long-Term Ecological Research Network, August 2015)
- Volatile Predator Cues Drive Non-Consumptive Effects of Prey in an Agroecosystem. **Hermann SL** and Thaler. (2015 KBS LTER Symposium and All Scientist Meeting, *Farming for Ecosystem Services: the Future of Long-term Ecological Research in Agriculture*, April 2015)
- Candidatus Liberibacter asiaticus* induces release of chemicals that attract its vector, *Diaphorina citri* Kuwayama (Hemiptera: Psyllidae). **Hermann SL**, Mann RS, Ali JG, Tiwari S, Pelz-Stelinski KS, Alborn HT, Stelinski LL. (Annual Entomology Graduate Symposium, 2013. Ithaca, New York.)
- Candidatus Liberibacter asiaticus* induces release of chemicals that attract its vector, *Diaphorina citri* Kuwayama (Hemiptera: Psyllidae). **Hermann SL**, Mann RS, Ali JG, Tiwari S, Pelz-Stelinski KS, Alborn HT, Stelinski LL. (Florida Entomological Society Meeting, 2011. Sanibel Island, Florida.)
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FELLOWSHIPS, AWARDS & RECOGNITION

-Hutson Fellowship – Student Travel to ESA/ICE 2016 (\$500)	2016
-2 nd Place, Presidents Award at Entomological Society of America annual meeting	2015
-Hutson Fellowship – Student Travel to ESA 2015 (\$500)	2015
-Plant Science Fellowship – 2 years/28,000 per year stipend, tuition & health insurance	2015 -2017
-Student Travel Award – International Society for Chemical Ecology Annual Meeting	2015
-Conference Travel Grant – Cornell Graduate School (\$500, \$1,000)	2013 & 2014
-Rawlins Foundation Travel (\$550, \$1500)	2013 & 2014
-1 st Place, Presidents Award at Entomological Society of America annual meeting	2013

Teaching Experience – (Teaching Assistantships)

Chemical Ecology - Spring 2013 & Spring 2014

Invasive Species Biology – Fall 2013

Evolutionary Biology – Fall 2012

Work Experience

Research Assistant – Michigan State University – East Lansing, Michigan

January 2015-May 2015

-Investigating potential influences of color on trapping efficiency of *Drosophila suzukii*.

PI: Dr. Larry Gut

Research Scientist/Lab Manager – Cornell University – Ithaca, New York

January 2012-August 2012

- Evaluating the role of resident microbiota in olfactory functions and feeding behavior of *D.melanogaster*

-Directed and advised a large and active lab group on research ideas and projects, coordinated research projects, planned and prepared materials, collaborated with other lab groups and presented information to the PI.

PI: Dr. Angela Douglas

Biological Scientist – University of Florida – Lake Alfred, Florida

June 2008-August 2011

-Improved pest management tactics for a major citrus pest using chemical ecology techniques

Developed new methodology for examining research questions

PI: Dr. Lukasz Stelinski
