

# Morgan N. Thompson

## Curriculum Vitae

Department of Entomology, University of California, Riverside  
Riverside, California, USA  
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### CURRENT POSITION & AFFILIATION

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**Assistant Professor of Chemical Ecology & Behavior of Insects** January 2026-Present  
*Department of Entomology, University of California, Riverside*

### EDUCATION

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**Texas A&M University**, College Station, Texas  
*Doctor of Philosophy in Entomology* December 2024  
**Dissertation:** Local and systemic plant defense against aboveground and belowground specialist insect herbivores  
**Advisor:** Dr. Anjel Helms

**University of Maryland**, College Park, Maryland  
*Master of Science in Entomology* May 2019  
**Thesis:** Evaluating the effect of potato leafhopper (Family: Cicadellidae) feeding on biological nitrogen fixation of alfalfa (*Medicago sativa*)  
**Advisor:** Dr. William Lamp

**College of William and Mary**, Williamsburg, Virginia  
*Bachelor of Science in Biology* May 2016  
**Honors Thesis:** The effect of climate variation on population dynamics of butterfly species across southeastern Virginia  
**Advisor:** Dr. Matthias Leu

### RESEARCH EXPERIENCE

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**Assistant Professional Researcher** June 2025-December 2025  
*Department of Entomology, University of California, Riverside*

**Postdoctoral Research Associate** January 2025-December 2025  
*Department of Entomology, University of Maryland*  
**Supervisor:** Dr. Karin Burghardt

**USDA NIFA AFRI Predoctoral Fellow** June 2023-December 2024  
*Department of Entomology, Texas A&M University*  
**Supervisors:** Drs. Anjel Helms & Lindsey Perkin

**Merit Fellow and Teaching Assistant** June 2019-June 2023  
*Department of Entomology, Texas A&M University*  
**Supervisor:** Dr. Anjel Helms

**Graduate Research and Teaching Assistant** September 2016-May 2019  
*Department of Entomology, University of Maryland*  
**Supervisor:** Dr. William Lamp

## RESEARCH GRANTS

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- USDA NIFA AFRI Predoctoral Fellowship** (\$120,000) June 2023-December 2024  
“Micro-management: identifying crop-protective microbiota for enhanced plant resistance to insect pests”
- Sigma Xi Grant in Aid of Research** (\$500) January 2022-January 2023  
“Playing the wild card: comparing microbial communities of domesticated and wild plant species for resistance to insect herbivory”
- Texas Ecological Laboratory (Ecolab) Research Grant** (\$4,929) January 2019-January 2021  
“Can a weedy gourd species attract and support agricultural insect pests?”
- Northeast SARE Graduate Student Grant** (\$8,804) May 2018-June 2019  
“Evaluating the effect of potato leafhopper feeding on biological nitrogen fixation in alfalfa”

## PEER-REVIEWED PUBLICATIONS

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\*undergraduate student mentored ^co-first authorship

14. **Thompson, M.N.**^, E.M. Russavage^, and O.M. Bernauer^ (2025) Making ‘scents’ of how plant volatiles influence agriculturally important insects: a review. *Environmental Entomology*.
13. **Thompson, M.N.**, E.M. Russavage, J.G. Garces\*, B.J. Bradford\*, D. Merrell\*, C.P.-C. Suh and A.M. Helms (2025) Cucurbit plant defenses against aboveground or belowground insect herbivores are distinct and shaped by eco-evolutionary factors. *Basic and Applied Ecology*. <https://doi.org/10.1016/j.baae.2025.04.002>
12. Russavage, E.M., A.M. Helms, **M.N. Thompson**, A. Szczepaniec, W.L. Rooney, D.L. Kerns, and M.D. Eubanks (2025) Indirect plant defense may provide economically important pest suppression in sorghum. *Pest Management Science*. <https://doi.org/10.1002/ps.8813>
11. **Thompson, M.N.**, Z.P. Cohen, D. Merrell\*, and A.M. Helms (2024) Eco-evolutionary factors contribute to chemodiversity in aboveground and belowground cucurbit herbivore-induced plant volatiles. *Plant Biology*. <http://doi.org/10.1111/plb.13709>
10. **Thompson, M.N.** ^, J. Arriaga\*^, B.J. Bradford\*^, R. Kurian\*^, G. Strozier\*^, and A.M. Helms (2023) Belowground insect herbivory induces systemic volatile emissions that strengthen neighboring plant resistance aboveground. *Plant, Cell & Environment*. <https://doi.org/10.1111/pce.14762>
9. **Thompson, M.N.**, J.M. Grunseich, L.O. Marmolejo\*, N.M. Aguirre, P.A. Bradicich, S.T. Behmer, C.P.-C. Suh, and A.M. Helms (2022) Undercover operation: Belowground insect herbivory modifies systemic plant defense and repels aboveground foraging insect herbivores. *Frontiers in Ecology and Evolution*. <https://doi.org/10.3389/fevo.2022.1033730>
8. **Thompson, M.N.**, R.F. Medina, A.M. Helms, and J.S. Bernal (2022) Improving natural enemy selection in biological control through greater attention to chemical ecology and host-associated differentiation of target arthropod pests. *Insects*. <https://doi.org/10.3390/insects13020160>
7. Marmolejo, L.O.\* , **M.N. Thompson**, and A.M. Helms (2021) Defense suppression through interplant communication depends on the attacking herbivore species. *Journal of Chemical Ecology*. <https://doi.org/10.1007/s10886-021-01314-6>
6. Grunseich, J.M., N.M. Aguirre, **M.N. Thompson**, J.G. Ali, and A.M. Helms (2021) Chemical cues from entomopathogenic nematodes vary across three species with different foraging strategies,

triggering different behavioral responses in prey and competitors. *Journal of Chemical Ecology*. <https://doi.org/10.1007/s10886-021-01304-8>

5. **Thompson, M.N.**, and W.O. Lamp (2021) Herbivory enhances legume-rhizobia symbioses function, increasing aboveground allocation of biologically fixed nitrogen, but only in soils without additional nitrate. *Plant and Soil*. <https://doi.org/10.1007/s11104-021-04999-6>
4. Eyer, P.A., P.T. Shults, M.R. Chura, M.N. Moran, **M.N. Thompson**, A.M. Helms, R.K. Saran, and E.L. Vargo (2021) Divide and conquer: Multicolonial structure, nestmate recognition, and antagonistic behaviors in dense populations of the invasive ant *Brachymyrmex patagonicus*. *Ecology and Evolution*. <https://doi.org/10.1002/ece3.7396>
3. Bernaola, L., M. Darlington, K. Britt, P. Prade, M. Roth, A. Pekarcik, M. Boone, D. Rieke, A. Tran, J. King, K. Carruthers, **M. Thompson**, J.J. Ternest, S.E. Anderson, S.W. Gula, K.C. Hauri, J.R. Pecenka, S. Grover, H. Puri, and S. G. Vakil (2021) Technological advances to address current issues in entomology: 2020 Student Debates. *Journal of Insect Science*. <https://doi.org/10.1093/jisesa/icab025>
2. Grunseich, J.M., **M.N. Thompson**, A.A. Hay, Z. Gorman, M.V. Kolomiets, M.D. Eubanks, and A.M. Helms (2020) Risky roots and careful herbivores: Sustained herbivory by a root-feeding herbivore attenuates indirect plant defences. *Functional Ecology*. <https://doi.org/10.1111/1365-2435.13627>
1. Grunseich, J.M.^, **M.N. Thompson**^, N. Aguirre, and A.M. Helms (2019) The role of plant-associated microbes in mediating insect herbivore foraging behavior. *Plants*. <https://doi.org/10.3390/plants9010006>

## **FORTHCOMING MANUSCRIPTS**

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\*undergraduate student mentored ^co-first authorship

- Under review.* **Thompson, M.N.**, C. Fahey, J.D. Parker, J. Pullen, K. McGurrin, L.M. Schmitt, E.A. Griffin, and K.T. Burghardt. Tree consumers respond to strengthening effects of neighboring tree diversity on leaf functional trait phenotypes. (for *New Phytologist*)
- Under review.* Oliveira, S.P., N.M. Aguirre, **M.N. Thompson**, J.M. Grunseich, D.C. Weber, M.G.V. Peñaflor, and A.M. Helms. Exposure to herbivore-induced plant volatiles and insect aggregation pheromone enhances plant defenses in cultivated squash. (for *Proceedings of the Royal Society B*)
- In prep.* **Thompson, M.N.**, J. Arriaga\*, C.P.-C. Suh, L.C. Perkin, and A.M. Helms. Crop rotation and insect herbivory alter plant-associated microbiota and enhance plant antiherbivore resistance. (for *Microbiome*)
- In prep.* **Thompson, M.N.**, J. Arriaga\*, B.J. Bradford\*, R. Kurian\*, G. Strozier\*, and A.M. Helms. Plant exposure to systemic herbivore-induced plant volatiles influences insect oviposition preference. (for *Ecological Entomology*)
- In prep.* **Thompson, M.N.**, D.W. Bapst, S.T. Behmer, M.V. Kolomiets, M.D. Eubanks and A.M. Helms. Systemic plant responses induced by aboveground or belowground invertebrate herbivory: a meta-analysis. (for *Ecology Letters*)

## **NON-PEER REVIEWED/EXTENSION PUBLICATIONS**

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3. King, J., **M. Thompson**, and J. Martin. (2022) The mothers of entomological history: Reflecting on who we honor and how we do it. *Entomology Today*.
2. **Thompson, M.N.**, and W.O. Lamp (2019) Can aboveground pest pressure disrupt nitrogen fixation in alfalfa? *Maryland Agronomy News*.

1. **Thompson, M.N.**, and W.O. Lamp (2017) Pest alert: Kudzu bugs found on Maryland soybeans. *Agronomy News*.

## **INVITED ORAL PRESENTATIONS**

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18. "Watching a forest grow: Long-term experiments as catalysts for collaborative science." Entomological Society of America Annual Meeting, Portland, OR, *November 2025*
17. "Preparing application packets for ESA awards: How to put your best foot forward." Entomological Society of America Annual Meeting, Portland, OR, *November 2025*
16. "Linking mechanisms to multitrophic consequences of plant defense against insect herbivory." College of William and Mary, Invited Seminar, Williamsburg, VA, *October 2025*
15. "From chemicals to communities: Ecological dimensions of plant defense against insect herbivory." University of Wisconsin-Eau Claire, Invited Seminar (Virtual), *September 2025*
14. "Scent of a struggle: Semiochemicals in plant defense against insect pests and impacts on agroecosystems." Universidade Federal Rural de Pernambuco, Brazil (Virtual), *June 2025*
13. "Beyond the bite: Multitrophic effects of plant defense against insect herbivory." Entomological Society of Washington, Invited Seminar, Washington, DC, *March 2025*
12. "The chemistry of conflict: How plant defenses against insect herbivory affect ecological communities." University of California, Invited Seminar, Riverside, CA, *February 2025*
11. "Digging deeper: Mechanisms and multitrophic consequences of plant defense against insect herbivory." University of Maryland, Invited Seminar, College Park, MD, *February 2025*
10. "Local and systemic plant defense against aboveground and belowground specialist insect herbivores." Texas A&M Department of Plant Pathology, Invited Seminar, College Station, TX, *December 2024*
9. "Getting to the root of cucurbits: Belowground insect herbivory alters aboveground plant defense, herbivore foraging, and neighboring plants." Entomological Society of America Eastern Branch Meeting, Member Symposium, Morgantown, WV, *March 2024*
8. "Danger from below: Plants detect root herbivore-damaged neighbors and enhance aboveground defenses" Texas A&M University Recruitment Symposium, College Station, TX, *February 2024*
7. "Plants can talk, but what are they saying? Deciphering the chemical ecology of plants and insects." University of Mary Washington, Invited Seminar, Fredericksburg, VA, *February 2024*
6. "Ecological consequences of systemic plant defense against insect herbivory." Entomological Society of America Annual Meeting, Rising Stars of Entomology Award Symposium, National Harbor, MD, *November 2023*
5. "Unexpected chatter in plant-plant communication." Entomological Society of America Joint North Central and Southwestern Branch Meeting, Member Symposium, Oklahoma City, OK, *April 2023*
4. "Ecological consequences of plant defense against aboveground and belowground insect herbivory." American Society of Plant Biologists, Environmental and Ecological Plant Physiology Section (Virtual), *April 2023*
3. "Belowground insect herbivory deters aboveground foraging herbivores." Texas A&M University Life Sciences Recruitment Symposium, College Station, TX, *February 2022*
2. "Systemic plant responses to belowground herbivory deter aboveground herbivores." International Symposium on Insect-Plant Relationships, Community Ecology Session (Virtual), *July 2021*
1. "Plant responses to belowground herbivory alter interactions with aboveground herbivores." Entomological Society of America Annual Meeting, Plant-Insect Ecosystem Section Symposium (Virtual), *November 2020*

## ORAL PRESENTATIONS

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22. "Trait shifts and trophic rifts: Biodiversity-driven leaf trait plasticity modulates interactions with tree consumers." Entomological Society of America Annual Meeting, Portland, OR, *November 2025*
21. "Effects of tree diversity on functional leaf trait phenotypes strengthen over time." Ecological Society of America Annual Meeting, Baltimore, MD, *August 2025*
20. "Insect herbivory induces plant volatile emissions to a greater extent aboveground than belowground, but both depend on plant-herbivore coexistence history." Entomological Society of America Annual Meeting, Phoenix, AZ, *November 2024*
19. "Surrounded by danger: Evolutionary patterns in aboveground and belowground plant volatile emissions following insect herbivory." Texas A&M College of Agriculture and Life Sciences Mini Research Symposium, College Station, TX, *May 2024*
18. "Soil microbiota modulate crop resistance to fall armyworm (*Spodoptera frugiperda*) herbivory." Beltwide Cotton Conference, Fort Worth, TX, *January 2024*
17. "Eavesdropping plants: Belowground insect herbivory strengthens neighboring plant defenses aboveground." Texas A&M University 26<sup>th</sup> Annual Graduate Student Forum, College Station, TX, *August 2023*
16. "Underneath it all: Belowground insect herbivory enhances systemic plant defense and deters aboveground herbivores." Entomological Society of America Joint North Central and Southwestern Branch Meeting, Oklahoma City, OK, *April 2023*
15. "Exposure to parasitic nematodes modifies cotton growth and defense across different soil microbial communities." Beltwide Cotton Conference, New Orleans, LA, *January 2023*
14. "Taking root: Plant-herbivore coexistence history alters belowground plant defense." Entomological Society of America, Canada, and British Columbia Joint Annual Meeting, Vancouver, BC, Canada, *November 2022*
13. "How the chemical ecology of host-associated differentiation improves natural enemy selection for biological control." Entomological Society of America Southwestern Branch Meeting, Dallas, TX, *April 2022*
12. "Coexistence history shapes plant defense strategies against belowground root herbivores." Texas A&M University 24<sup>th</sup> Annual Graduate Student Forum, College Station, TX, *August 2021*
11. "The root cause: belowground herbivory repels aboveground foraging herbivores." Entomological Society of America (Virtual) Southwestern Branch Meeting, *June 2021*
10. "Undercover operation: root herbivory modifies aboveground plant-herbivore interactions." Texas A&M University 23<sup>rd</sup> Annual (Virtual) Graduate Student Forum, *August 2020*
9. "Aboveground insect herbivores respond to belowground herbivory on a shared host-plant." Texas A&M University (Virtual) Ecological Integration Symposium, *April 2020*
8. "How do plant-associated microbes modify host-plant selection for insect herbivores?" Entomological Society of America Virtual Joint North Central and Southwestern Branch Meeting *April 2020*
7. "Soil nutrients and aboveground herbivory alter belowground nitrogen fixation in alfalfa." Entomological Society of America Annual Meeting, St Louis, MO, *November 2019*
6. "Evaluating the effect of potato leafhopper feeding on biological nitrogen fixation in alfalfa." Northeastern IPM Center Online Conference, *October 2019*
5. "Aboveground insect herbivory alters a belowground plant-microbe mutualism." Ecological Society of America Mid-Atlantic Meeting, Bowie, MD, *April 2019*
4. "Potato leafhopper (*Empoasca fabae*) feeding alters above- and belowground nutrient allocation and nitrogen fixation across alfalfa cultivars." Entomological Society of America Eastern Branch Meeting, Blacksburg, VA, *March 2019*
3. "Can aboveground potato leafhopper (*Empoasca fabae*) feeding disrupt belowground nitrogen fixation in alfalfa?" Entomological Society of America, Canada, and British Columbia Joint Annual Meeting, Vancouver, BC, Canada, *November 2018*

2. “Connecting a belowground mutualism to aboveground herbivory: microbe-plant-insect interactions.” Ecological Society of America Annual Meeting, New Orleans, LA, *August 2018*
1. “Comparing patterns of injury caused by potato leafhopper (Cicadellidae) on nitrogen production across different alfalfa (*Medicago sativa*) cropping systems.” Entomological Society of America Eastern Branch Meeting, Annapolis, MD, *March 2018*

## **POSTER PRESENTATIONS**

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6. “Crop-associated microbiota differentially regulate corn and cotton resistance to herbivory.” Entomological Society of America Annual Meeting, Phoenix, AZ, *November 2024*
5. “Cross-compartment systemic plant responses to herbivory: a meta-analysis.” Gordon Research Conference: Plant-Herbivore Interactions, Ventura, CA, *March 2023*
4. “Tapping into emergency funds: a meta-analysis on systemic plant responses to above- and belowground herbivory.” Plant Biology, Portland, OR, *July 2022*
3. “Using a meta-analysis approach to explore systemic plant responses to above- and belowground insect herbivory.” Entomological Society of America Annual Meeting, Denver, CO, *November 2021*
2. “Comparing patterns of injury associated with potato leafhopper (Family: Cicadellidae) feeding across different alfalfa (*Medicago sativa*) cropping systems.” International Integrated Pest Management Symposium, Baltimore, MD, *March 2018*
1. “Comparing patterns of injury associated with potato leafhopper (Family: Cicadellidae) feeding across different alfalfa (*Medicago sativa*) cropping systems.” Bioscience Day, University of Maryland, College Park, MD, *November 2017*

## **AWARDS**

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### **Research Accomplishment Awards and Fellowships**

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| Vice Chancellor’s Award in Excellence for Graduate Student Research,<br>Texas A&M University                                                           | 2023      |
| College of Agriculture and Life Sciences Dean’s Outstanding<br>Achievement Award for Graduate Research, Texas A&M<br>University                        | 2023      |
| John Henry Comstock Graduate Student Award Entomological<br>Society of America Southwestern Branch                                                     | 2023      |
| Kenneth and Barbara Starks Plant Resistance to Insects Graduate Student<br>Award, Entomological Society of America, Plant-Insect Ecosystems<br>Section | 2022      |
| Outstanding Graduate Student Award for Ph.D. Student, Department of<br>Entomology, Texas A&M University                                                | 2022      |
| John A. Jackman Endowed Scholarship, Department of Entomology,<br>Texas A&M University                                                                 | 2021-2022 |
| Merit Fellowship, College of Agriculture & Life Sciences,<br>Texas A&M University                                                                      | 2019-2023 |
| Gahan Fellowship Award, Department of Entomology,<br>University of Maryland                                                                            | 2016-2019 |
| Dean’s Fellowship Award, University of Maryland Graduate School                                                                                        | 2016      |

### **Research Presentation Awards**

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|--------------------------------------------------------------------------------------------------|------|
| 2 <sup>nd</sup> place oral presentation, Entomological Society of America<br>Student Competition | 2024 |
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| 1 <sup>st</sup> place oral presentation, Texas A&M University College of Agriculture and Life Sciences Mini Research Symposium                    | 2024 |
| 1 <sup>st</sup> place oral presentation, Texas A&M University 26 <sup>th</sup> Annual Graduate Student Forum                                      | 2023 |
| 1 <sup>st</sup> place oral presentation, Entomological Society of America Joint North Central and Southwestern Branch Meeting Student Competition | 2023 |
| 1 <sup>st</sup> place oral presentation, Entomological Society of America Student Competition                                                     | 2022 |
| 2 <sup>nd</sup> place oral presentation, Texas A&M University 24 <sup>th</sup> Annual Graduate Student Forum                                      | 2021 |
| 1 <sup>st</sup> place oral presentation, Entomological Society of America Southwestern Branch Meeting Student Competition                         | 2021 |
| 1 <sup>st</sup> place oral presentation, Texas A&M University 23 <sup>rd</sup> Annual Graduate Student Forum                                      | 2020 |
| 2 <sup>nd</sup> place oral presentation, Entomological Society of America Joint North Central and Southwestern Branch Meeting Student Competition | 2020 |
| 1 <sup>st</sup> place oral presentation, Ecological Society of America Mid-Atlantic Meeting Student Competition                                   | 2019 |
| 2 <sup>nd</sup> place oral presentation, Entomological Society of America Eastern Branch Meeting Student Competition                              | 2019 |
| 1 <sup>st</sup> place oral presentation, Entomological Society of America Student Competition                                                     | 2018 |
| 1 <sup>st</sup> place poster presentation, Bioscience Day, University of Maryland                                                                 | 2017 |
| <b>Service Awards</b>                                                                                                                             |      |
| Accountability, Climate and Equity Women's Progress Award, Texas A&M University                                                                   | 2022 |
| Ethel Ashworth-Tsutsui Memorial Award for Mentoring, Women in Science and Engineering (WISE), Texas A&M University                                | 2022 |
| <b>Travel Awards</b>                                                                                                                              |      |
| Graduate Student Research and Presentation Travel Award, Texas A&M University Graduate School                                                     | 2024 |
| Goldhaber Travel Award, University of Maryland Graduate School                                                                                    | 2018 |
| International Conference Student Award, University of Maryland Graduate School                                                                    | 2018 |
| Student Section Travel Award, Ecological Society of America                                                                                       | 2018 |
| Charlie Mitter Travel Award, Department of Entomology, University of Maryland                                                                     | 2018 |

## **TEACHING EXPERIENCE**

### **Teaching Assistant**

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|--------------------------------------------------------------------------|-------------|
| Insect Ecology, Department of Entomology, Texas A&M University           | Spring 2023 |
| Principles of Biology III, Department of Biology, University of Maryland | Fall 2018   |

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|----------------------------------------------------------------------------------------------|-------------------|
| Biology of Insects, Department of Entomology,<br>University of Maryland                      | Spring 2018       |
| Pollinators in Crisis, Department of Entomology,<br>University of Maryland                   | Fall 2017         |
| Principles of Molecular & Cellular Biology, Department of<br>Biology, University of Maryland | Spring 2017, 2019 |
| Principles of Evolution, Department of Biology,<br>University of Maryland                    | Fall 2016         |

#### **Invited Guest Lecturer**

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|----------------------------------------------------------------------------------------------|-------------------|
| Theory of Research (Graduate Course), Department of Plant<br>Pathology, Texas A&M University | Spring 2023, 2024 |
| Field Crop Insects (Undergraduate Course), Department of<br>Entomology, Texas A&M University | Spring 2023       |
| Chemical Ecology (Graduate Course), Department of Entomology,<br>Texas A&M University        | Fall 2021, 2023   |
| Insect Ecology (Undergraduate Course), Department of<br>Entomology, Texas A&M University     | Spring 2020, 2022 |

### **RESEARCH MENTEES**

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#### **Team of Undergraduate Researchers through Aggie Research Program and Helms Lab at Texas A&M University**

*Jayda Arriaga, Jack Bradford, Rachel Kurian, Gage Strozier*

*Jayda Arriaga (now pursuing M.S. in Entomology at Texas A&M University)*

*Jack Bradford (now pursuing B.S. in Materials Science and Engineering at  
Texas A&M University)*

*Rachel Kurian (now pursuing M.S./M.D. in Biomedical Engineering at  
Texas A&M University)*

*Gage Strozier (now pursuing M.A. in Horticulture at Texas A&M University)*

Oral presentation (*Jayda Arriaga, Rachel Kurian, Gage Strozier*),  
Texas A&M University Student Research Week 2024

Undergraduate Research Scholars Honors Thesis Program (*Jack Bradford,  
Rachel Kurian, Gage Strozier*), Texas A&M University 2023-2024

1<sup>st</sup> place oral presentation (*Rachel Kurian*), Entomological Society of  
America Joint North Central and Southwestern Branch Meeting 2023

Oral presentation (*Jack Bradford*), Entomological Society of America  
Joint North Central and Southwestern Branch Meeting 2023

Oral presentation (*all students*), Texas A&M University Ecological  
Integration Symposium 2023

Oral presentation (*all students*), Texas A&M University Aggie  
Research Showcase 2022

Research project for course credit (ENTO 491) during spring  
semester (*Jayda Arriaga*) 2022

2<sup>nd</sup> place oral presentation (*all students*), Texas A&M University  
Student Research Week 2022

**Undergraduate Researcher through USDA-NIFA funded Research and Education Experiences for Undergraduates (REEU) Program at Texas A&M University**

*Jeremy Garces (completed B.S. in Biology at University of Texas Rio Grande Valley)*

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|----------------------------------------------------------------------------------------|------|
| Oral presentation, Entomological Society of America Annual Meeting                     | 2024 |
| Poster presentation, Texas A&M Summer Undergraduate Research Poster Session            | 2023 |
| Oral presentation, Texas A&M Diversity in Entomology Summer REEU Program Presentations | 2023 |

**Undergraduate Researcher through Helms Lab at Texas A&M University**

*Laura Marmolejo (completed M.S. in Entomology at Michigan State University)*

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|--------------------------------------------------------------------------------------------------------------------------------|------|
| Oral presentation, Entomological Society of America, Canada, and British Columbia Joint Annual Meeting                         | 2022 |
| 1 <sup>st</sup> place oral presentation, Entomological Society of America Southwestern Branch Meeting                          | 2022 |
| Oral presentation, Texas A&M University Student Research Week                                                                  | 2022 |
| College of Agriculture and Life Sciences Dean's Outstanding Achievement Award for Undergraduate Research, Texas A&M University | 2022 |
| Oral presentation, Entomological Society of America Annual Meeting                                                             | 2021 |
| Southwestern Branch Undergraduate Student Achievement in Entomology Award, Entomological Society of America                    | 2021 |
| 1 <sup>st</sup> place oral presentation, Entomological Society of America Southwestern Branch Meeting                          | 2021 |
| Oral presentation, Entomological Society of America Annual Meeting                                                             | 2020 |
| 2 <sup>nd</sup> place oral presentation, Aggie Women in Entomology (AWE) Undergraduate Research Symposium                      | 2020 |

**Undergraduate Researcher through Helms Lab at Texas A&M University**

*Danielle Merrell (now pursuing M.S. in Horticulture and Agronomy at University of California, Davis)*

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|---------------------------------------------------------------------------------|------|
| Oral presentation, Entomological Society of America Annual Meeting              | 2021 |
| Oral presentation, Entomological Society of America Southwestern Branch Meeting | 2021 |
| Oral presentation, Central Ecology and Evolution Conference                     | 2021 |

**Undergraduate Researcher through Lamp Lab at University of Maryland**

*Emily Mast (now pursuing O.T.D. at Mary Baldwin University)*

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|------------------------------------------------------------------------|-----------|
| Poster presentation, University of Maryland Undergraduate Research Day | 2019      |
| Undergraduate research credit hours, University of Maryland            | 2018-2019 |

**Undergraduate Researcher through Lamp Lab at University of Maryland**

*Sami Louguit*

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|-------------------------------------------------------------|------|
| Undergraduate research credit hours, University of Maryland | 2018 |
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**High School Researchers through Lamp Lab at University of Maryland**

*Nina McGranahan*

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|-----------------------------------------------------|-----------|
| High school science & technology internship program | 2018-2019 |
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*Cameron Anderson*

**PROFESSIONAL SERVICE**

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Workshop panelist, Entomological Society of America Annual Meeting<br>( <i>Coming out of the camouflage: How to navigate your first meeting</i> )                                                                                                                                                                                                                                                                                                                         | 2025             |
| Guest editor and co-organizer, Special collection in <i>Environmental Entomology</i><br>( <i>Plant Volatiles in Insect Pest Management and Sustainable Agriculture</i> )                                                                                                                                                                                                                                                                                                  | 2025             |
| Panelist, Texas A&M Graduate Student Panel: Helping Undergraduate Students<br>Prepare for Graduate School                                                                                                                                                                                                                                                                                                                                                                 | 2024             |
| Symposium co-organizer, Entomological Society of America Joint North<br>Central and Southwestern Branch Meeting ( <i>How plant stress affects</i><br><i>insects: herbivores, pollinators, and more</i> )                                                                                                                                                                                                                                                                  | 2023             |
| Student affairs committee member, Entomological Society of America<br>Southwestern Branch                                                                                                                                                                                                                                                                                                                                                                                 | 2022, 2023       |
| Panelist, Texas A&M University Mentoring Undergraduate Researchers<br>Workshop                                                                                                                                                                                                                                                                                                                                                                                            | 2022-2024        |
| Graduate student representative, Faculty search committee for tenure-track<br>Assistant Professor of Entomology – Global Public Health,<br>Department of Entomology, Texas A&M University                                                                                                                                                                                                                                                                                 | 2022             |
| Aggie Allies Training for Supporting LGBTQ+ Students                                                                                                                                                                                                                                                                                                                                                                                                                      | 2022             |
| Symposium co-organizer, Entomological Society of America Annual<br>Meeting (2024: <i>Multifunctional chemicals cues? Comparing plant</i><br><i>volatiles that influence behaviors of insect herbivores, pollinators,</i><br><i>and natural enemies</i> ; 2022: <i>Highlighting women's research: Abiotic</i><br><i>and biotic stressors of agricultural food-systems</i> ; 2021: <i>Highlighting</i><br><i>women's research: Insect adaptations to a changing world</i> ) | 2021, 2022, 2024 |
| Aggie Women in Entomology Salary Negotiation Workshop Organizer                                                                                                                                                                                                                                                                                                                                                                                                           | 2021             |
| President, Aggie Women in Entomology, Department of Entomology,<br>Texas A&M University                                                                                                                                                                                                                                                                                                                                                                                   | 2021-2022        |
| Black History Month Panel Discussion Organizer: “ <i>The contributions of</i><br><i>Black entomologists to insect sciences</i> ”                                                                                                                                                                                                                                                                                                                                          | 2021             |
| Graduate student representative, Diversity, Equity and Inclusion Committee,<br>Department of Entomology, Texas A&M University                                                                                                                                                                                                                                                                                                                                             | 2020-2022        |
| Seminar chair, Entomological Graduate Student Organization, Department<br>of Entomology, Texas A&M University                                                                                                                                                                                                                                                                                                                                                             | 2020-2021        |
| Student debate competitor, Entomological Society of America                                                                                                                                                                                                                                                                                                                                                                                                               | 2020             |
| Discussion leader, Entomological Society of America Plant-Insect<br>Ecosystems Wildly Important Goals: Public Education & Outreach                                                                                                                                                                                                                                                                                                                                        | 2020             |
| Peer reviewer of research manuscripts in the journals: <i>Plant and Soil</i> (1),<br><i>Microbial Ecology</i> (2), <i>Arthropod-Plant Interactions</i> (1), <i>Journal of</i><br><i>Chemical Ecology</i> (2), <i>Ecology and Evolution</i> (2), <i>Biological Control</i> (2)<br><i>Plant Ecology</i> (1), <i>Scientific Reports</i> (2), <i>Journal of Pest Science</i> (1),<br><i>Functional Ecology</i> (1), <i>Plants, People, Planet</i> (1), <i>Science</i> (1)     | 2020-Present     |
| Social chair, Entomological Student Organization, Department of<br>Entomology, University of Maryland                                                                                                                                                                                                                                                                                                                                                                     | 2017-2018        |
| Entomology Games (formerly ‘Linnean Games’) competitor, Entomological<br>Society of America                                                                                                                                                                                                                                                                                                                                                                               | 2017-2023        |

## **PROFESSIONAL ASSOCIATIONS**

|                                  |              |
|----------------------------------|--------------|
| Ecological Society of America    | 2018-Present |
| Entomological Society of America | 2017-Present |

## **COMMUNITY OUTREACH AND SERVICE**

|                                                                  |                 |
|------------------------------------------------------------------|-----------------|
| High School Forestry Camp Volunteer                              | 2025            |
| Meadow Festival Volunteer                                        | 2025            |
| Regional High School Science Bowl Moderator                      | 2023            |
| Elementary School 'Entomology in Spanish' Event Coordinator      | 2022, 2023      |
| 'Research and Brews' seminar through Texas A&M University        | 2022            |
| Graduate and Professional Student Government                     |                 |
| Aggie Women in Entomology Presentation at Girl Scout Camp        | 2021            |
| Ronin Spring Farm Day Volunteer                                  | 2021, 2022      |
| Texas A&M University Student Research Week Judge                 | 2021, 2024      |
| Texas Science & Engineering Fair Judge                           | 2020-2022, 2024 |
| Ecology and Evolutionary Biology Program Darwin Day Volunteer    | 2020, 2021      |
| STEM Pack Meeting at Bowen Elementary School Volunteer           | 2020            |
| Brazos Museum of Natural History's Owl-O-Ween Festival Volunteer | 2019            |
| High School Science Fair Judge                                   | 2018            |
| Maryland Day Volunteer                                           | 2017-2019, 2025 |