

## CURRICULUM VITAE OF BERENICE ROMERO

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### ACADEMIC CREDENTIALS

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#### ○ EDUCATION

##### **Ph.D. in Plant Sciences (September 2018 – June 2024)**

Affiliation: University of Saskatchewan, Saskatchewan, Canada

Dissertation title: Host choice selection in the Aster Yellows pathosystem

Supervisor: Dr. Sean M. Prager

##### **Degree in Biology (Licentiate) (March 2011 – December 2017)**

Affiliation: University of Buenos Aires, Buenos Aires, Argentina

Dissertation title: Chemical compounds involved in plant defense against the attack of *Caliothrips phaseoli* (Thysanoptera) and *Spodoptera frugiperda* (Lepidoptera) in soybean (*Glycine max*) varieties

Supervisor: Dr. Jorge A. Zavala

### RESEARCH EXPERIENCE

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##### **Postdoctoral Researcher (October 2024 – Present)**

Davis Lab, Louisiana State University AgCenter, Baton Rouge, Louisiana, United States

Evaluation of cultural and chemical practices for reducing the transmission of aphid-vectored viruses in sweetpotatoes and development of diagnostic tools for this pathosystem.

##### **Research Technician (March 2024 – August 2024)**

Bennett Ecology Lab, University of Saskatchewan, Saskatoon, Canada

Testing of soil samples to determine the relative abundance of different microbial groups relevant to plant productivity and carbon dynamics, and development of digital PCR protocol for quantifying these microorganisms.

##### **Student Intern (November 2017 – January 2018)**

Ecophysiology of Insects' Laboratory, University of Buenos Aires, Buenos Aires, Argentina

Measured the metabolic rate of *Rhodnius prolixus* and *Triatoma infestans* using flow-through respirometry.

### PEER-REVIEWED PUBLICATIONS

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\* Denotes undergraduate students mentored in research projects

#### ○ PUBLISHED ARTICLES (6 published, 1 accepted, 2 in review)

Irvine, J.\*, Romero, B., and Prager, S. M. 20XX. Effects of phytoplasma infection on aster leafhopper (*Macrostelus quadrilineatus* Forbes) (Hemiptera: Cicadellidae) settling behaviour and development on *Brassica napus*. Submitted in February 2025. **In review.**

Romero, B., Dillon, F. M., and Zavala, J. A. 20XX. *Defensive hormones regulate thrips and fall armyworm performance and behavior on field-grown soybean*. Submitted in February 2025. **In review.**

Romero, B., Entz, L.\*, Wallis, C. M., and Prager, S. M. 2025. *Effects of insect longevity and drought conditions on aster leafhopper (Hemiptera: Cicadellidae) fecundity*. Environmental Entomology. **Accepted for publication in June 2025.** <https://doi.org/10.1093/ee/nvaf068>

Romero, B., Rojek, J., Wist, T. and Prager, S.M., 2024. *Characterization and correlation of the probing behaviors of Macrosteles quadrilineatus (Hemiptera: Cicadellidae) with electropenetrography (EPG) waveforms*. Journal of Insect Science, 24(2). <https://doi.org/10.1093/jisesa/ieae035>

Romero, B., Mithöfer, A., Olivier, C., Wist, T. and Prager, S.M., 2024. *The Role of Plant Defense Signaling Pathways in Phytoplasma-Infected and Uninfected Aster Leafhoppers' Oviposition, Development, and Settling Behavior*. Journal of Chemical Ecology, pp.1-14. <https://doi.org/10.1007/s10886-024-01488-9>

Romero, B., Dumonceaux, T., Olivier, C., Wist, T. and Prager, S.M., 2023. *Development of Aster Yellows on Crop and Noncrop Species from the Canadian Prairies*. PhytoFrontiers™, 3(3), pp.679-687. <https://doi.org/10.1094/PHYTOFR-01-23-0008-R>

Romero, B., Olivier, C., Wist, T. and Prager, S.M., 2022. *Do options matter? Settling behavior, stylet sheath counts, and oviposition of Aster leafhoppers (Hemiptera: Cicadellidae) in two-choice bioassays*. Environmental Entomology, 51(2), pp.460-470. <https://doi.org/10.1093/ee/nvab148>

Romero, B., Olivier, C., Wist, T. and Prager, S.M., 2020. *Oviposition behavior and development of aster leafhoppers (Hemiptera: Cicadellidae) on selected host plants from the Canadian Prairies*. Journal of Economic Entomology, 113(6), pp.2695-2704. <https://doi.org/10.1093/jee/toaa243>

Romero, B., Dillon, F.M. and Zavala, J.A., 2020. *Different soybean cultivars respond differentially to damage in a herbivore-specific manner and decrease herbivore performance*. Arthropod-plant interactions, 14, pp.89-99. <https://doi.org/10.1007/s11829-019-09730-y>

○ **MANUSCRIPTS IN PREPARATION (6 manuscripts)**

Sulzbacher Schardong, I., Romero, B., Davis, J. A., Reisig, D. In prep. *A tool for estimating soybean looper defoliation as larvae age*.

Romero, B., Hartl, T.\*, and Prager, S. M. In prep. *Water and nutrient stress modify aster leafhopper probing behavior in canola plants*.

Pusz-Bochenska, K., Romero, B., Dumonceaux, T., Gray, J. R., Andres, J. A., Wist, T. J. In prep. *Aster leafhopper genetic diversity in the context of long-distance dispersal in Western Canada*.

Romero, B., Davis, J. A. In prep. *Ecology and Management of Aster Leafhoppers – A key component in the transmission of Aster Yellows to crops and wild species in the Western Canadian Prairies*.

Romero, B., Chen, J., and Prager, S. M. In prep. *Mitochondrial genome of aster leafhopper populations from the Western Canadian Prairies*.

Romero, B., Wist, T., and Prager, S. M. In prep. *Can phytoplasmas affect insect probing? Comparison between non-inoculative and inoculative aster leafhoppers (Hemiptera: Cicadellidae)*

## REVIEWER FOR INTERNATIONAL JOURNALS

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(Number of manuscripts reviewed in each journal)

Canadian Journal of Plant Science (1), Plos ONE (1), Journal of Insect Science (2), Arthropod-Plant Interactions (1), Journal of Economic Entomology (9), The Canadian Entomologist (1), Annals of the Entomological Society of America (1), Insect Science (3), Environmental Entomology (2), Plant Health Cases (1), Pest Management Science (1)

## PRESENTATIONS

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\* Denotes undergraduate and graduate students mentored in research projects

### ○ INVITED TALKS AND SEMINARS

Romero, B., and Prager, S. M. *Identifying factors influencing the dynamics of a phytoplasma disease in Western Canada*. Symposium at the Entomological Society of America's 2025 Meeting. Portland, Oregon. November 9-12, 2025.

Romero, B. *CleanSEED overview and preliminary data*. 88<sup>th</sup> Annual Meeting of the Louisiana Sweet Potato Association. Winnsboro, Louisiana. December 5, 2024.

Romero, B., Dumonceaux, T., Rojek, J., Wist, T., and Prager, S. M. *Unraveling the host range and behavior of aster leafhoppers in Western Canada*. Symposium at the Entomological Society of America Annual Meeting. Phoenix, Arizona. November 10-13, 2024.

Romero, B., Fischer, F.\*, Cooper, W. R., and Prager, S. M. *Unraveling the host range of aster leafhoppers in Western Canada: Behavioral assays, gut content analysis (GCA), and electropenetrography (EPG)*. Symposium at the Entomological Society of America's 2024 Pacific Branch Meeting. Waikoloa Beach, Hawaii. April 14-17, 2024. Virtual attendance.

Romero, B., Mithöfer, A., Olivier, C., Wist, T., and Prager, S. M. *Examining the relationship between plant defense responses and the behavior of an insect vector*. VII Congress of the Latin American Association of Chemical Ecology. Buenos Aires, Argentina. December 4-7, 2023.

Romero, B., Dumonceaux, T., Rojek, J., Olivier, C., Wist, T., and Prager, S. M. *The Hitchhiker's Guide to the Prairies: Host Plant Use in a Phytoplasma Vector*. Rising Stars of Entomology Symposium, at the Entomological Society of America Annual Meeting. National Harbor, Maryland. November 5-8, 2023.

Zafar, M. and Romero, B. University of Saskatchewan Undergraduate Research Journal (USURJ). University of Saskatchewan. Saskatoon, Saskatchewan. November 31, 2023.

Romero, B., Dumonceaux, T., Rojek, J., Olivier, C., Wist, T., and Prager, S. M. *Host plant use in a phytoplasma vector*. Graduate Student Showcase (GSS) Symposium at the Entomological Society of Canada Annual Meeting. Saskatoon, Saskatchewan. October 15-18, 2023.

Romero, B., Fischer, F.\*, Wist, T., and Prager, S. M. *Combining field surveys with molecular gut content analysis of insect samples to identify potential hosts involved in a vector-borne plant pathosystem*. Entomological Society of Canada Annual Meeting. Saskatoon, Saskatchewan. October 15-18, 2023.

Romero, B. and Prager, S. M. *Uso de hospederos vegetales por un insecto vector de fitoplasmas en las Praderas Canadienses*. Instituto de Investigaciones en Biociencias Agrícolas y Ambientales (INBA, Argentina) Seminar. July 3, 2023. Virtual meeting. <https://rb.gy/jqlyp\>

Romero, B. and Prager, S. M. *Patterns of Host Plant Use in a Phytoplasma Vector*. Symposium at the Entomological Society of America's 2023 Pacific Branch Meeting. Seattle, Washington. April 2-5, 2023.

Romero, B. *Entomology research in USask AgBio*. Saskatchewan Insect Management Committee Meeting. Virtual meeting. December 15, 2022.

Romero, B., and Prager, S. M. *Understanding of factors mediating aster leafhoppers' settling, probing, and oviposition behaviors*. Saskatchewan Insect Management Committee Meeting. Virtual meeting. December 15, 2022.

Romero, B., and Prager, S. M. *Using laboratory assays to examine host choice selection behavior in insects*. Entomological Societies of America, Canada, and British Columbia Joint Annual Meeting. Vancouver, British Columbia. November 13-16, 2022.

Romero, B., Olivier, C., Wist, T., and Prager, S. M. *Aster Yellows: symptom expression and disease reservoirs*. Soils and Crops 2022. Virtual meeting. March 8-9, 2022.

#### ○ ORAL PRESENTATIONS AT CONFERENCES

Romero, B., Davis, J. A. *Effects of kaolin clay on the probing behavior of Aphis gossypii Glover (Hemiptera: Aphididae)*. Entomological Society of America's 2025 Southeastern Branch Meeting. Baton Rouge, Louisiana. March 9-12, 2025.

Pablo, R.\*, Romero, B., Davis, J. A. *Integrated Pest Management of Potyviruses: Evaluating the Effects of Border Crops and Alternative Controls in Sweetpotato Fields*. Entomological Society of America's 2025 Southeastern Branch Meeting. Baton Rouge, Louisiana. March 9-12, 2025.

Romero, B., Rojek, J., Wist, T., and Prager, S. M. *Characterization and correlation of the probing behaviors of Macrosteles quadrilineatus (Hemiptera: Cicadellidae) with EPG waveforms*. 2024 International Electropenetrography (EPG) Conference. Lake Alfred, Florida. January 30-February 2, 2024.

Entz, L.\*, Romero, B., Wallis, C., and Prager, S. M. *Effects of insect longevity and drought conditions on realized and potential fecundity of aster leafhoppers (Hemiptera: Cicadellidae)*. Entomological Society of America Annual Meeting. National Harbor, Maryland. November 5-8, 2023.

Irvine, J.\*, Romero, B., and Prager, S. M. *Effects of phytoplasma infection on aster leafhopper (Macrosteles quadrilineatus Forbes) (Hemiptera: Cicadellidae) settling behaviour, oviposition, and development*. Entomological Society of Canada Annual Meeting. Saskatoon, Saskatchewan. October 15-18, 2023.

Romero, B., Rojek, J., Olivier, C., Wist, T., and Prager, S. M. *Characterization of the feeding behavior of uninfected and phytoplasma-infected aster leafhoppers on selected host plants*. Entomological Society of America's 2023 Pacific Branch Meeting. Seattle, Washington. April 2-5, 2023.

Irvine, J.\*, Romero, B., and Prager, S. *Plant pathogen effects on hemipteran probing activity*. Student Undergraduate Research Experience Summer (SURE) 2022 Symposium, University of Saskatchewan. Virtual attendance. August 22-31, 2022.

Romero, B., Olivier, C., Wist, T., and Prager, S. M. *A tale of leafhoppers, Aster Yellows, and crops in the Canadian Prairies*. XXVI International Congress of Entomology (ICE), Helsinki, Finland. July 17-22, 2022.

Romero, B., Olivier, C., Wist, T., and Prager, S. M. *The role of phytohormones in Aster leafhopper oviposition, development and settling behavior*. Entomological Society of America's 2022 Pacific Branch Meeting. Virtual attendance. April 10-13, 2022.

Romero, B., Olivier, C., Wist, T., and Prager, S. M. *Aster Yellows: insights into aster leafhoppers' development and host preferences in the Canadian Prairies*. 37th Plant Sciences Graduate Students Symposium. Virtual meeting. March 4-5, 2022.

Romero, B., Olivier, C., Wist, T., and Prager, S. M. *What no-choice and two-bioassays can tell us about Aster leafhoppers' host choice selection behavior*. Entomological Society of Saskatchewan Fall Meeting. Virtual meeting. December 3, 2021.

Romero, B., Olivier, C., Wist, T., and Prager, S. M. *One or too many choices? Oviposition, development, and settling of Aster leafhoppers on a variety of plant hosts*. Entomological Society of Canada/Entomological Society of Ontario 2021 JAM. Virtual meeting. November 15-18, 2021.

Romero, B., Olivier, C., Wist, T., and Prager, S. M. *One or too many choices? Oviposition, development, and settling of Aster leafhoppers on a variety of plant hosts*. 1st International Electronic Conference of Entomology (IECE). Virtual meeting. July 1-15, 2021. – **Withdrawn**

Romero, B., Olivier, C., Wist, T., and Prager, S. M. *Do's and don'ts in the Canadian Prairies: a study about oviposition and host choice selection behavior of Aster leafhoppers*. Fall Meeting of the Entomological Society of Saskatchewan. Virtual Meeting. November 20, 2020.

Romero, B., Olivier, C., Wist, T., and Prager, S. M. *Evaluating aster leafhopper performance and preference on a variety of crop and non-crop host plants*. Entomological Society of British Columbia Annual General Meeting and Symposium. Virtual meeting. October 26-28, 2020.

Romero, B., Wist, T., Olivier, C., and Prager, S. M. *Aster Yellows: insights into Aster leafhoppers' behavior and development in the Canadian Prairies*. 36th Annual Plant Sciences Graduate Students' Symposium, Saskatoon, Saskatchewan. March 14-15, 2020. **This event was cancelled due to the global coronavirus situation.**

Romero, B., Wist, T., Olivier, C., and Prager, S. M. *Aster Yellows: effects of phytoplasmas on Aster leafhoppers' development and preference*. Soils and Crops 2020, Saskatoon, Saskatchewan. March 10, 2020.

Romero, B. and Prager, S. M. *Of leafhoppers and phytoplasmas: host-choice behaviour of Macrosteles quadrilineatus in the Canadian Prairies*. 2019 Joint Annual Meeting of the Entomological Societies of Saskatchewan and Alberta. Elkwater, Alberta. October 3-5, 2019

Romero, B. and Prager, S. M. *Host-preference and performance in a plant pathosystem*. Entomological Society of Canada, CSEE, and AES 2019 Joint Meeting. Fredericton, New Brunswick. August 18-21, 2019.

## ○ POSTERS

Irvine, J.\*, Romero, B., and Prager, S. *Love triangle? Brassica napus, Aster Yellows, and aster leafhoppers (Hemiptera: Cicadellidae)*. Entomological Society of America Annual Meeting. In-person attendance. Phoenix, Arizona. November 10-13, 2024.

Irvine, J.\*, Romero, B., and Prager, S. *Plant pathogen effects on hemipteran probing activity*. Entomological Societies of America, Canada, and British Columbia Joint Annual Meeting. In-person attendance. Vancouver, British Columbia. November 13-16, 2022.

Romero, B., Olivier, C., Wist, T., and Prager, S. *Phytohormones and their effects on aster leafhopper behavioral responses*. Entomological Societies of America, Canada, and British Columbia Joint Annual Meeting. In-person attendance. Vancouver, British Columbia. November 13-16, 2022.

Irvine, J.\*, Romero, B., and Prager, S. *Plant Pathogen Effects on Hemipteran Settling Behavior*. AgBio Student Research Day, University of Saskatchewan. September 7, 2022.

Romero, B., Olivier, C., Wist, T., and Prager, S. *Phytohormones and their effects on aster leafhopper behavioral responses*. AgBio Student Research Day, University of Saskatchewan. September 7, 2022.

Fischer, F.\*, Romero, B., Cooper, R., and Prager, S. *Feasibility of gut content analysis and the identification of plant DNA from Aster Leafhoppers, Macrosteles quadrilineatus (Forbes) (Hemiptera: Cicadellidae)*. Entomological Society of America's 2022 Pacific Branch Meeting. Virtual attendance. April 10-13, 2022.

Rosso, B. E., Medina, V., Romero, B., Soria, M., and Zavala, J. A. *Entomopathogen infection alters feeding behavior in the southern green stinkbug, Nezara viridula*. Animal Behaviour Live. Virtual attendance. August 20-21, 2020.

Romero, B., Rolandi, C., and Schilman, P. E. Temperature dependence of standard metabolic rate in a temperate and a tropical species of triatomines. 10<sup>th</sup> Meeting of the Entomological Society of Argentina (SEA). School of Agriculture, Chacras de Coria, Luján de Cuyo, Mendoza. May 21-24, 2018.

Romero, B., Zavala, J. A. *Tell me who you are and I will tell you what to eat: development of thrips and lepidopteran larvae on soybean plants*. 10<sup>th</sup> Meeting of the Entomological Society of Argentina (SEA). School of Agriculture, Chacras de Coria, Luján de Cuyo, Mendoza. May 21-24, 2018.

Romero, B., Dillon, F. M., and Zavala, J. A. *Chemical composition of soybean leaves affects behaviour and reproductive capacity of thrips (Caliothrips phaseoli)*. 1<sup>st</sup> Meeting of Behavioural Biology of the Cono Sur Region. COMPORTA 2017 - VI JUCA. Faculty of Exact and Natural Sciences, University of Buenos Aires. August 2 to August 4, 2017.

## ○ REPORTS

Romero, B., Wist, T., Olivier, C., and Prager, S. M. *Symptom expression of Aster Yellows in selected crop and noncrop species commonly found in Saskatchewan*. Western Committee on Crop Pests Annual Meeting. Grande Prairie, Alberta. October 26-28, 2022.

Romero, B., Wist, T., Olivier, C., and Prager, S. M. *Development and host choice selection behavior of Aster leafhoppers in crop and noncrop species from the Canadian Prairies*. Western Committee on Crop Pests Annual Meeting. Virtual meeting. October 28-29, 2021.



Romero, B., Wist, T., Olivier, C., and Prager, S. M. *Examining crop and non-crop species from the Canadian Prairies as reproductive and food hosts for aster leafhoppers*. Western Committee on Crop Pests Annual Meeting. Virtual meeting. October 29-30, 2020.

Romero, B., Wist, T., Olivier, C., and Prager, S. M. *Investigating the role of plant hosts in the outbreak of the aster leafhopper-vectored aster yellows*. Western Committee on Crop Pests Annual Meeting. Kelowna, British Columbia. October 24, 2019.

#### ○ WEBINARS

Panelist of the Entomological Society of America's Webinar on "Time management Strategies for Entomologists". Online. June 12, 2024.

#### ○ POPULAR PRESS

Article in Top Crop Manager by Jennifer Bogdan. *Aster Leafhopper Host Plant Selection on the Prairies - Research identifies some of the plant species involved in leafhopper-aster yellows-crop disease system*. Access to online article: <https://www.topcropmanager.com/aster-leafhopper-host-plant-selection-on-the-prairies/>

Canola Watch Podcast episode about aster leafhoppers with Drs. Sean Prager and Tyler Wist. Access to podcast: <https://soundcloud.com/whetterj/ep76-aster-yellows-phytoplasma>

Interview with CBC Radio on April 3, 2024 – Cicadas emergence in the US - <https://www.cbc.ca/listen/live-radio/1-103-the-afternoon-edition-sask/clip/16053557-a-cicadas-species-set-flood-u.s.-midwest-sask>.

Article in DiscoverWeyburn.com about cicada emergence in the US on April 5, 2024 - <https://discoverweyburn.com/articles/southeast-sask-has-cicadas-too-but-theyre-not-like-the-us-ones>

Episode 98 of the Lil Dude's Insect Academy – Insect, Plant, Pathogen Interaction! - [https://www.youtube.com/watch?v=GauVWI5SxI&list=PLGospF\\_lfOwxtzuK0dJ7yzq-ByyaBYyGZ&index=2](https://www.youtube.com/watch?v=GauVWI5SxI&list=PLGospF_lfOwxtzuK0dJ7yzq-ByyaBYyGZ&index=2)

### FUNDING

Contributed to the preparation of successful Canola Agronomic Research Program (CARP) grant (\$247,000 CAD/185,000 US; 2021-2024). \* Approximate value in US dollars.

### HONORS AND AWARDS

\*Approximate value in US dollars

Fall 2023 - Entomological Society of Saskatchewan's Entomological Activity Award	\$ 375 CAD / 280 US*
Fall 2023 - University of Saskatchewan Student Travel Award	\$ 450 CAD / 337 US*
2023 University of Saskatchewan – Education Enhancement Grant	\$500 CAD / 375 US*
2023 Graduate Student Showcase (GSS) - Entomological Society of Canada	\$200 CAD / 150 US*
2022/2023 SaskCanola Dr. Roger Rimmer Award for Excellence in Research	\$18,000 CAD / 13400 US*
2022/2023 Saskatchewan Wheat Development Commission Graduate Scholarship	\$30,000 CAD/ 22400 US*
2023 Rising Stars of Entomology – Entomological Society of America	\$ 401 CAD/ 301 US
2023 Pacific Branch of the Entomological Society of America Travel Award	\$ 800 CAD / 600 US
2022 Entomological Society of Canada's Postgraduate (PhD) Scholarship	\$2000 CAD / 1500 US*
2022 Entomological Society of Canada Ed Becker JAM Participation Award	\$500 CAD / 375 US*
2022/2023 SaskCanola Dr. Roger Rimmer Award for Excellence in Research	\$18,000 CAD/ 13400 US*
2022/2023 Saskatchewan Wheat Development Commission Graduate Scholarship	\$30,000 CAD / 22400 US*
Summer 2022 - University of Saskatchewan Student Travel Award	\$550 CAD / 410 US*

Summer 2022 - Entomological Society of Saskatchewan's Entomological Activity Award	\$750 CAD / 560 US*
Student presentation award in the ' <i>Physiology, pathology, and pest management</i> ' category of the 37 <sup>th</sup> Plant Sciences Graduate Students' Symposium (2 <sup>nd</sup> place)	\$250 CAD / 180 US*
Best Student Presentation at the 2021 Entomological Society of Saskatchewan Fall Meeting	\$100 CAD / 75 US*
2021/2022 Western Grains Research Foundation Endowment Fund Graduate Scholarship	\$4,840 CAD / 3600 US*
2021/2022 Saskatchewan Wheat Development Commission Graduate Scholarship	\$30,000 CAD / 22400 US*
2021 PhD Outstanding Student Award – Awarded by the Department of Plant Sciences (University of Saskatchewan)	
2020 Brooks Scholarship – Awarded by the Entomological Society of Saskatchewan	\$500 CAD / 375 US*
2020/2021 Western Grains Research Foundation Endowment Fund Graduate Scholarship	\$25,000 CAD / 18700 US*
2019/2020 Plant Sciences Devolved Scholarship	\$10,500 CAD / 7800 US*
2019/2020 Western Grains Research Foundation Endowment Fund Graduate Scholarship	\$25,000 CAD / 18700 US
Fall 2019 ESL Bursary for the "Graduate Writing" course	<i>Declined</i>
Winter 2019 ESL Bursary for the "Advanced Spoken English" course	
Fall 2018 ESL Bursary for the "Advanced Writing & Applied Grammar" course	
<b>Total</b>	<b>\$198,716 CAD / 148,857 US*</b>

### TEACHING EXPERIENCE

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- Guest lecturer for ENTM 4006 (Fundamentals of Applied Entomology), Louisiana State University – Spring 2025
  - Guest lecturer for PLSC 450 (Applied Entomology), University of Saskatchewan – Fall 2020, 2021, 2023
  - Teaching Assistant for PLSC 492/494 (Research Thesis in Plant Sciences), University of Saskatchewan - Fall 2021, 2022; Winter 2022, 2023
  - Teaching Assistant for PLSC 214 (Statistical Methods), University of Saskatchewan - Fall 2019, 2020, 2021, 2022; Winter 2020, 2021, 2022, 2023; Spring 2022, 2023
  - Teaching Assistant for PLSC 260 (Principles of Plant Protection), University of Saskatchewan - Winter 2020, 2021

### MENTORING

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- Research mentor to MSc student Reuel Pablo (Fall 2024 - present)
  - Research mentor to exchange student Yohann Le Saux (Fall 2022, Winter 2023)
  - Research mentor to PLSC 494 student Lawrence Entz (Fall 2022, Winter 2023)
  - Research mentor to NSERC USRA recipient and PLSC 494 student Jeremy Irvine (Spring-Summer 2022, Fall 2022, Winter 2023)
  - Research mentor to PLSC 494 student Farrah Fischer (Fall 2021, Winter 2022)
  - Research mentor to PLSC 492 student Tyler Hartl (Fall 2021, Winter 2022)
  - Research mentor to PLSC 494 student Jinting Lei (Fall 2019)
  - Research mentor to PLSC 492 student Wangyu Cai (Fall 2019)
  - Research mentor to Mitacs student Khaled Khouk (May-July 2019)
  - Research mentor to student research assistant Randi Sommerville (Winter 2019)

### OUTREACH AND EXTENSION ACTIVITIES

- 
- Facilitator at Ag in Motion (July 2023, Saskatoon, SK)
  - Facilitator for Agriculture in the Classroom Saskatchewan (AITC-SK) – May 6, 2022 and May 4, 2023
  - Session moderator at the Entomological Society of Saskatchewan-Entomological Society of Alberta Joint Meeting (October 2019, Elkwater, AB)
  - Speaker at the Insect Management Stand, Canola Palooza (July 2019, Saskatoon, SK)
  - Presenter of 'Good bugs, bad bugs' as part of outreach activities organized by the Entomological Society of Saskatchewan for Gardenscape (March 2019, Saskatoon, SK)
  - Participant of Skype a Scientist – Winter 2020, Winter 2021, Fall 2023



## ACADEMIC SERVICE

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- **Co-organizer of Section symposium (“Conversations Between Entomologists and Plant Pathologists: Joining Forces to Control Pathogens”) for the Entomological Society of America’s meeting Entomology 2025 (November 2025, Portland, OR)**
  - **Co-organizer of Member symposium (“Passionate About Pathogens: Bridging the Divide Between Mammal and Plant Disease Vectors”) for the Entomological Society of America’s meeting Entomology 2025 (November 2025, Portland, OR)**
  - Facilitator for Louisiana State University’s 2025 AgMagic (March 2025, Baton Rouge, Louisiana)
  - Judge for student 10-minute presentation and volunteer at the 2025 Entomological Society of Canada’s Southeastern Branch Meeting (March 2025, Baton Rouge, Louisiana)
  - **Co-organizer of symposium (“From egg to adult – A discussion about careers in entomology”) for the Entomological Society of Canada’s meeting (October 2025, Calgary, Alberta)**
  - **Director-at-large of the Entomological Soc. of Canada’s Student and Early Professional Affairs Committee (November 2024 – present)**
  - Co-organizer of Member symposium (“Leafhoppers in North America”) for the Entomological Society of America’s meeting Entomology 2024 (November 2024, Phoenix, AZ)
  - Co-organizer of Section symposium (“Cross-disciplinary Innovations in EPG Science to Address Current and Emerging Issues”) for the Entomological Society of America’s meeting Entomology 2024 (November 2024, Phoenix, AZ)
  - **Co-Chair of the Entomological Soc. of Canada’s Student and Early Professional Affairs Committee (November 2023 – present)**
  - Member-at-large of the Pacific Branch Entomological Society of America (2023-2024)
  - Judge for the Entomological Society of America’s 2024 Distinguished Teaching Award
  - Graduate Student Advisor and Editor for the Natural Sciences section of the University of Saskatchewan Undergraduate Research Journal (ISSN 2292-1141) (Fall 2023 – Winter 2024)
  - Volunteer at the 2023 Pacific Branch Entomological Society of America Meeting (April 2023, Seattle, WA)
  - Organizer of the student social for the Entomological Society of Canada annual meeting (October 2023, Saskatoon, SK)
  - Volunteer at the Entomological Societies of America, Canada, and British Columbia Joint Annual Meeting (November 2022, Vancouver, BC)
  - Session moderator at the Entomological Societies of America, Canada, and British Columbia Joint Annual Meeting (November 2022, Vancouver, BC)
  - Judge at the 2022 Student Undergraduate Research Experience (SURE) Symposium (August 2022, Saskatoon, SK)
  - Director of Social Media for the Entomological Society of Canada’s Student and Early Professional Affairs Committee (January 2022 – November 2023)
  - Member of the Entomological Society of Canada’s Communications Committee (2021 – 2023)
  - Co-organizer of Annual Online Conference ‘Animal Behaviour Live’ (July – November 2021)
  - Co-organizer of Arthropodata seminar series (October 2020 – December 2021)
  - Member of the Entomological Society of Saskatchewan’s Social Media Committee (October 2020 – November 2023)
  - Entomological Society of Canada- Student and Early Professional Affairs Committee Research Roundup (December 2019 – January 2021)
  - President of the Plant Sciences Graduate Students’ Association (Fall 2019-Winter 2020, Department of Plant Sciences, University of Saskatchewan)

- Peer Mentor with Student Learning Services at the University of Saskatchewan (Fall 2019, Winter 2020, Fall 2020)
- Volunteer with the Entomological Society of Canada's Annual Membership Drive (August 2019, Fredericton, NB)
- Volunteer at the 1<sup>st</sup> International Wheat Congress (IWC) (July 2019, Saskatoon, SK)
- Judge at the First Year Research Experience (FYRE) for AGRC 111 (December 2018, Saskatoon, SK)

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### **VOLUNTEER ACTIVITIES AND COMMUNITY ENGAGEMENT**

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- Facilitator for "Bugs, bugs, bugs: An insect presentation" at the Bluebonnet Regional Library in Baton Rouge, Louisiana. March 8, 2025. 44 attendees.
- Public Transit Representative in the City of Saskatoon Active Transportation Advisory Group (2022-2023 and 2023-2024)
- Assistant to core members at L'Arche Saskatoon (April - May 2019)

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### **COURSES AND CERTIFICATIONS**

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- Electropenetrography (EPG) Online Workshop - University of Florida (July 26, 2023)
- CPR/First Aid Course (February 2019, Recertification in January 2022)
- Mental Health First Aid Basic, 12-hour course (December 2019)
- SafeTalk Workshop: Suicide Alertness for Everyone (November 2019)
- Participant of the Biology of Vector-Borne Diseases (BVBD) training course offered by the University of Idaho (June 2019, Moscow, Idaho)

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### **LANGUAGES**

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Fully fluent in English and Spanish, intermediate knowledge of German (B1-B2)

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### **MEMBERSHIPS**

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- Entomological Society of Saskatchewan (2018-2023)
- Entomological Society of Canada (2019 - Present)
- Entomological Society of America (2021 - Present)

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### **REFERENCES**

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Available upon request