

FERNE KOTLYAR

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TORONTO, CANADA

EDUCATION

- 2021 – Expected 2026** **PhD in Ecology and Evolutionary Biology | University of Toronto**
Pollination Ecology and Evolutionary Biology
Supervisory Committee: Helene H. Wagner, James Thompson, Matthew G. Betts, Megan Bontrager
- 2017 – 2021** **BSc in Agricultural and Environmental Science | McGill University**
Environmental Biology with a Specialization in Plant Biology
- 2020** **Semester Abroad | University of Edinburgh**
Botany Department at the College of Science and Engineering

PUBLICATIONS

Research in Progress

Kotlyar, F., Jones, F.A., Betts, M.G., Rico-Guevara A., Atencio-Picado M., Wagner, H.H., Nectar deposition on stigma selectively promotes pollination. [Manuscript in preparation]

Popular Science

Kotlyar, F. (2024). Contributed Photography. EEB Quarterly. Spring 2024. Volume 5, Issue 2.
<https://theebquarterly.github.io/>

Kotlyar, F. (2023). Cover Page Photo. EEB Quarterly. Spring 2023. Volume 4, Issue 2.
<https://theebquarterly.github.io/>

Kotlyar, F. (2022). Hummingbirds: A Secret Messenger of Plants. EEB Quarterly. Fall 2022. Volume 4, Issue 1. <https://theebquarterly.github.io/>

SCOLARSHIPS, GRANTS, AND AWARDS

- 2024** *Excellence in Service Award.* Biology Department. University of Toronto, Mississauga. ON.
School of Graduate Studies Conference Grant. University of Toronto. ON. (\$1,450 CAD)
- 2023** *Student Grant.* The Heliconia International Society. United States. (\$1,000 USD)
- 2022** *Alvin Singh Graduate Teaching Assistant Excellence Award.* Biology Department. University of Toronto, Mississauga. ON. (\$1,945.36 CAD)
Honourable Mention. Atwood Colloquium. University of Toronto. ON.
- 2021** *Dean's Honour List.* McGill University. QC.
- 2020** *Dean's Honour List.* McGill University. QC.
Joseph Jean-Baptiste Gosselin Scholarship. McGill University. QC. (\$1,500 CAD)

- 2019** *Dean's Honour List*. McGill University. QC.
J. William and Lorna K. Ritchie Macdonald College Clan Scholarship. McGill University. QC. (\$4,000 CAD)
Tomlinson Engagement Award for Mentoring. McGill University. QC. (\$500 CAD)
Best Photograph. Lister Family Engaged Science Digital Image Exhibition. QC. (\$250 CAD)
- 2018** *Tomlinson Engagement Award for Mentoring*. McGill University. QC. (\$1,000 CAD)
Science Lab Without Borders Award. McGill University. QC. (\$500 CAD)

ACADEMIC PRESENTATIONS

Contributed Talks

- 2023** *Biology Graduate Student Seminar*. University of Toronto, Toronto, ON.
Ecology and Evolutionary Biology Undergraduate Union. University of Toronto, Toronto, ON.
- 2022** *Ecological Society of America & Canadian Society for Ecology and Evolution*. Montreal, QC.
Atwood Colloquium Elevator Pitch. University of Toronto, Toronto, ON.

Poster Presentations

- 2024** *Entomological Society of Ontario*. University of Toronto, Scarborough, ON.
- 2023** *Ecological Society of America & Canadian Botanical Association*. Winnipeg, MB.

TEACHING EXPERIENCE

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| 2023 | Course Instructor University of Toronto
<i>Temperate Field Biology (EEB 405)</i> |
| 2021 – Present | Teaching Assistantships University of Toronto
<i>Biometrics (BIO 360)</i>
<i>Introduction to Plant Morphology and Physiology (BIO 203)</i>
<i>Diversity of Organisms (BIO 153)</i> |
| 2018 – 2019 | Course Tutor McGill University
<i>General Chemistry (CHEM 110)</i> |
| 2018 | Course Instructor McGill University
<i>Pre-Calculus (AEMA 105)</i> |

MENTORSHIP

University of Toronto

- 2024** *Molly McDonald*. Summary Research Opportunity Program Undergraduate Student.
- 2023** *Maha Jahangir*. Research Opportunity Program Undergraduate Student.
- 2022** *Elise Bull*. Ecology and Evolutionary Biology Mentee.

VOLUNTEER AND PROFESSIONAL SERVICE

- 2024** *Vice-President.* Biology Graduate Student Society. University of Toronto.
Founding Member. UTM Outdoors Club. University of Toronto.
Active Participant. Graduate Student Advocacy Committee. University of Toronto.
- 2023** *Biology Executive Committee Member.* UTM Biology. University of Toronto.
Science Gala Organizer. Biology Graduate Student Society. University of Toronto.
President. Biology Graduate Student Society. University of Toronto.
Founding Member. Graduate Student Advocacy Committee. University of Toronto.
Walk with a Biologist Leader. Community Nature Walks. University of Toronto.
Bird Banding Volunteer. Monitoring Avian Productivity and Survivorship (MAPS) Project.
- 2022** *Science Gala Organizer.* Biology Graduate Student Society. University of Toronto.
Social Chair. Biology Graduate Student Society. University of Toronto.
Volunteer. Atwood Conference. University of Toronto.
- 2022** *Volunteer.* Atwood Conference. University of Toronto.
- 2019** *Phone-a-Thon Volunteer.* MacDonald Campus Recruitment Committee. McGill University.

CERTIFICATES AND QUALIFICATIONS

- 2024** *Remote First Aid Training.* Canadian Red Cross.
- 2022** *Fundamentals of Bird Banding (Passerines) Certificate.* US Fish and Wildlife Service.
WHMIS Training. University of Toronto.
- 2019** *WHMIS Training.* McGill University.
- 2017** *French Immersion High School Diploma.* Vaughan Secondary School.
- 2016** *Wilderness First Aid Training.* Wilderness Medical Associates International.
- 2013** *Standard First Aid and CPR Training.* Canadian Red Cross.

SCOLARLY AND PROFESSIONAL ACTIVITIES

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| 2023 – Present | Educational Game Development University of Toronto
<i>Developing interactive, educational games for first year biology courses (BIO153 and BIO203), Mississauga, ON</i> |
| 2020 | Herbarium Intern McGill University
<i>McGill Herbarium, Sainte-Anne-de-Bellevue, QC</i> |
| 2018 – 2019 | Lab Research Assistant McGill University
<i>Charron Lab, Department of Plant Sciences, Sainte-Anne-de-Bellevue, QC</i> |
| 2019 | Propagation Research Aid Bylands Nurseries
<i>Kelowna, BC</i> |

SOCIETY MEMBERSHIPS

2023 – Present *Heliconia Society International*

2021 – Present *Canadian Society for Ecology and Evolution*