

FELIPE TORRES-VANEGAS
CURRICULUM VITAE

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EDUCATION & RESEARCH EXPERIENCE

Ph.D. in Ecology and Evolutionary Biology Pollination Ecology and Plant Mating Systems Department of Ecology and Evolutionary Biology, University of Toronto Supervisory committee: Helene H. Wagner, Marie-Josée Fortin, Marc T.J. Johnson.	2016-2022
M.Sc. in Ecology and Evolutionary Biology Biogeography and Phylogenetics Department of Biology, Universidad de los Andes	2011-2013
B.Sc. in Biology Phylogenetics Department of Biology, Universidad de los Andes	2007-2011

PROFESSIONAL APPOINTMENTS

Postdoctoral Research Fellow Pollination Ecology and Plant Mating Systems Department of Biology, Lund University Supervisor: Øystein H. Opedal	2022-Present
Landscape Science Intern Credit Valley Conservation Mississauga, Canada	2018-2019
Science and Math Teacher Colegio Los Nogales Bogotá, Colombia	2014-2016

PUBLICATIONS

Submitted Manuscripts:

1. Opedal, Ø.H., Serre, B., Temesvári, V., García, Y., Friberg, M., **Torres-Vanegas, F.** Effects of nectar robbing on floral evolution in a pollination-generalized plant. (2024). *In Review*.

Published Manuscripts:

4. **Torres-Vanegas, F.**, Temesvári, V., Hildesheim, L.S., Rodríguez-Otero, C., Müller, V., Aukema, E.,

Friberg, M., Opedal, Ø.H. (2024). Linking divergence in phenotypic selection on floral traits to divergence in local pollinator assemblages in a pollination-generalized plant. *Journal of Evolutionary Biology*. voae115. <https://doi.org/10.1093/jeb/voae115>

3. **Torres-Vanegas, F.**, Hadley, A.S., Kormann, U.G., Jones, F.A., Betts, M.G., Wagner, H.H. (2023). Pollinator foraging tactics have divergent consequences for the mating system of a tropical plant. *New Phytologist*. 237: 1050-1066. <https://doi.org/10.1111/nph.18574>
2. **Torres-Vanegas, F.**, Hadley, A.S., Kormann, U.G., Jones, F.A., Betts, M.G., Wagner, H.H. (2021). Tropical deforestation reduces plant mating quality by shifting the functional composition of pollinator communities. *Journal of Ecology*. 109: 1730-1746. <https://doi.org/10.1111/1365-2745.13594>
1. **Torres-Vanegas, F.**, Hadley, A.S., Kormann, U.G., Jones, F.A., Betts, M.G., Wagner, H.H. (2019). The Landscape Genetic Signature of Pollination by Trapliners: Evidence from the Tropical Herb, *Heliconia tortuosa*. *Frontiers in Genetics*. 10: 1206. <https://doi.org/10.3389/fgene.2019.01206>

Technical Reports:

1. Abdel Moniem, H.E., **Torres-Vanegas, F.**, Wagner, H.H. (2020). Evaluating Natural Heritage Connectivity in the Credit River Watershed: Final Report. Credit Valley Conservation Authority. 1-70. Mississauga, ON, Canada. <https://dataverse.scholarsportal.info/dataset.xhtml?persistentId=doi:10.5683/SP2/CMGXZR>

Educational Resources:

1. **Torres-Vanegas F.**, Abdel Moniem, H.E., Wagner, H.H. (2020). Landscape Connectivity Modeling Across the Credit River Watershed: User's Guide. Credit Valley Conservation Authority. 1-48. Mississauga, ON, Canada. https://github.com/felipetorresvanegas/CVC_modeling

Popular Science:

1. **Torres-Vanegas, F.** (2019). Into the *Heliconia* Garden. *EEB Quarterly*. Spring 2019. Volume 1, Issue 3. 66-70. <https://drive.google.com/file/d/1WkI76175QB7hCRmN9CnWQkbL32-agBN4/view>

SCHOLARSHIPS, GRANTS & AWARDS

2024	<i>Research Scholarship</i> . Swedish Phytogeographical Society. Sweden. (\$40,000 SEK)
2023	<i>Research Scholarship</i> . The Elly Olsson Foundation. Sweden. (\$120,000 SEK)
	<i>Research Scholarship</i> . Swedish Phytogeographical Society. Sweden. (\$32,500 SEK)
2022	<i>Postdoctoral Scholarship</i> . Sven and Lilly Lawski Foundation. Sweden. (\$600,000 SEK)
2020	<i>Faculty of Arts & Science Funding Package</i> . University of Toronto. Canada. (\$8,867 CAD)
2017	<i>Three-Minute Thesis Competition (Second Place)</i> . 3MT CREATE Enviro. Canada.
	<i>Best Speed Oral Presentation (Second Place)</i> . International Congress for Conservation Biology. Colombia.
2016	<i>Beca Doctorados en el Exterior</i> . COLCIENCIAS. Colombia. (\$150,000 CAD)
	<i>CREATE Enviro Trainee</i> . National Science and Engineering Research Council. Canada. (\$10,000 CAD)

ORAL PRESENTATIONS

Invited Presentations:

- 2024 Stakeholder Meeting. Organization for Tropical Studies. Las Cruces Research Station, Costa Rica.
- 2021 Centre for Biodiversity Dynamics Seminar Series. NTNU. Trondheim, Norway.
- 2020 Landscape Genetics Symposium. International Association for Landscape Ecology North America. Virtual Remote Conference.
- Evolution and Ecology Seminar Series. Uppsala University. Uppsala, Sweden.
- 2019 Credit Valley Conservation: Evolution and Ecology Seminar Series. Mississauga, Canada.
- Biodiversity Seminar Series. WSL. Zurich, Switzerland.

Contributed Talks:

- 2024 Nordic Society Oikos. Lund, Sweden.
- Spanish Group for Floral Ecology (EcoFlor). Coimbra, Portugal.
- 2023 Scandinavian Association for Pollination Ecology. Namur, Belgium.
- 2022 Scandinavian Association for Pollination Ecology. Gimo, Sweden.
- Ecological Society of America Annual Meeting. Montreal, Canada.
- 2021 Atwood Colloquium in Ecology and Evolution. University of Toronto. Toronto, Canada.
- International Association for Landscape Ecology North America. Virtual Remote Conference.
- 2020 Scandinavian Association for Pollination Ecology. Virtual Remote Conference.
- 2019 International Association for Landscape Ecology World Congress. Milan, Italy.
- 2018 North American Congress for Conservation Biology. Toronto, Canada.
- 2017 International Congress for Conservation Biology. Cartagena, Colombia.
- 2012 First International *Viburnum* Summit. New Haven, Connecticut, USA.

POSTER PRESENTATIONS

- 2017 International Congress for Conservation Biology. Cartagena, Colombia.
- 2011 Congreso Colombiano de Botánica. Cali, Colombia.

TEACHING EXPERIENCE

Distributed Graduate Seminar Landscape Genetics	2022-2023
University of Toronto Mississauga, Department of Biology	
<i>Group Project Leader</i>	
Guest Lecture	2022
University of Toronto Mississauga, Department of Biology	
<i>Diversity of Organisms (BIO153)</i>	
Teaching Assistantships	2016-2022
University of Toronto Mississauga, Department of Biology	

Biometrics (BIO360).
Ecology (BIO205).
Introduction to Plant Morphology and Physiology (BIO203).

Science and Math Teacher 2014-2016
Colegio Los Nogales
Instructor for fifth grade Science and Math.

Teaching Assistantships 2011-2013
Universidad de los Andes, Department of Biology
Plant Physiology (BIOL3303).
Botany (BIOL2305).

PEDAGOGICAL TRAINING

Teaching Fundamentals Certificate 2019
Teaching Assistants Training Program. University of Toronto. Canada.

MENTORSHIP

University of Toronto

2022 *Ferne Kotlyar.* MSc Student.
2020 *Catherine Burzynski.* Independent Research Project Undergraduate Student.
2019 *Semrit Grewal.* Work Study Undergraduate Student.
2018 *Sumera Varachhia.* Research Opportunity Program Undergraduate Student.
2017 *Fahad Farooq.* Independent Research Project Undergraduate Student.
Khadija Lakdawala. Work Study Undergraduate Student.

PROFESSIONAL SERVICE & WORKING GROUPS

2021-2022 Co-leader of the Ecology and Evolution Journal Club. University of Toronto
Mississauga.
2020 Local Student Representative. International Association of Landscape Ecology North
America Virtual Remote Conference.
2019 Graduate Student Writing Workshop. University of Toronto.
2018-2019 Society of Conservation Biology Toronto Chapter. Vice-President.
2017-2018 Society of Conservation Biology Toronto Chapter. Communications Coordinator.
2016-2017 Biology Graduate Student Society. University of Toronto Mississauga.

Reviewer:

American Journal of Botany (1), Arthropod-Plant Interactions (1), Biological Conservation (1),
Biotropica (1), Frontiers in Genetics (1), Journal of Ecology (1), Landscape Ecology (1), Proceedings of
the Royal Society B Biological Sciences (1).

Society Memberships:

Society for Conservation Biology (SCB), International Association for Landscape Ecology (IALE),
Canadian Society for Ecology and Evolution (CSEE), Nordic Society Oikos (NSO).