

FELIPE TORRES-VANEGAS

CURRICULUM VITAE

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EDUCATION

Ph.D. in Ecology and Evolutionary Biology Pollination Ecology and Plant Mating Systems Department of Ecology and Evolutionary Biology. University of Toronto, Canada. 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, Colombia.	2011-2013
B.Sc. in Biology Phylogenetics Department of Biology. Universidad de los Andes, Colombia.	2007-2011

PROFESSIONAL APPOINTMENTS

Researcher Pollination Evolutionary Ecology Department of Biology. Lund University, Sweden.	2025-Present
Postdoctoral Research Fellow Pollination Evolutionary Ecology Department of Biology. Lund University, Sweden. Supervisor: Øystein H. Opedal.	2022-2024
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. Davis, K.E.C., Thomassen E.S., Wagner H.H., Kormann U.G., Hadley A.S., Betts M.G., **Torres-Vanegas, F.** Incorporating pollinator movement into connectivity models predicts pollen-mediated

gene flow and highlights the importance of regenerating forests in tropical landscapes. (2025). *Submitted.*

2. **Torres-Vanegas, F.**, Temesvári, V., García, Y., Friberg, M., Opedal, Ø.H. Pollinator assemblage composition predicts trait divergence in a pollination-generalized plant. (2025). *Submitted.*

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*. 37: 1312-1328. [PDF](#) [GitHub](#) [Dryad](#)
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. [PDF](#) [GitHub](#) [Dryad](#)
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. [PDF](#) [GitHub](#) [Dryad](#)
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. [PDF](#) [GitHub](#) [Dryad](#)

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. [PDF](#)

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. [PDF](#)

Popular Science:

1. **Torres-Vanegas, F.** (2019). Into the *Heliconia* Garden. *EEB Quarterly*. Spring 2019. Volume 1, Issue 3. 66-70. [PDF](#)

SCHOLARSHIPS, GRANTS & AWARDS

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| 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 Lawska Foundation. Sweden. (\$600,000 SEK) |

- 2020 *Faculty of Arts & Science Funding Package*. University of Toronto. Canada. (\$8,867 CAD)
2016 *Beca Doctorados en el Exterior*. COLCIENCIAS. Colombia. (\$160,000 CAD)
CREATE Enviro Trainee. National Science and Engineering Research Council. Canada.
(\$10,000 CAD)

ORAL PRESENTATIONS

Invited Presentations:

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| 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:

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| 2025 | Spanish Group for Floral Ecology (EcoFlor). León, Spain. |
| 2024 | Scandinavian Association for Pollination Ecology. Lofthus, Norway.
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 <i>Viburnum</i> Summit. New Haven, Connecticut, USA. |

TEACHING EXPERIENCE

Distributed Graduate Seminar Landscape Genetics

2022-2023

Department of Biology, University of Toronto Mississauga, Canada.

Group Project Leader

Guest Lecture

2022

Department of Biology, University of Toronto Mississauga, Canada.

Diversity of Organisms (BIO153)

Teaching Assistantships

2016-2022

Teaching Assistantships
Department of Biology, University of Toronto Mississauga, Canada.

Biometrics (BIO360).

Ecology (BIO205).

Introduction to Plant Morphology and Physiology (BIO203).

Science and Math Teacher

2014-2016

Colegio Los Nogales. Colombia.

Instructor for fifth grade Science and Math.

Teaching Assistantships

2011-2013

Department of Biology. Universidad de los Andes, Colombia.

Plant Physiology (BIOL3303).

Botany (BIOL2305).

PEDAGOGICAL TRAINING

Teaching Fundamentals Certificate

2019

Teaching Assistants Training Program. University of Toronto, Canada.

MENTORSHIP

2024 *An-Sofie Vastenavondt.* MSc Student. Lund University, Sweden.

2022 *Ferne Kotlyar.* MSc Student. University of Toronto, Canada.

PROFESSIONAL SERVICE & WORKING GROUPS

- 2025 Conference Workshop: Spanish Group for Floral Ecology (EcoFlor). Model-based multivariate approaches for pollination biologists using HMSC. León, Spain. [Tutorial](#)
- 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), BMC Plant Biology (1), Brazilian Journal of Botany (1), Frontiers in Genetics (1), Journal of Ecology (1), Journal of Pollination Ecology (1), Landscape Ecology (1), Movement Ecology (1), Proceedings of the Royal Society B Biological Sciences (2).

Society Memberships:

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