

**FELIPE TORRES-VANEGAS**  
***CURRICULUM VITAE***

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<https://github.com/felipetorresvanegas>

**EDUCATION & RESEARCH EXPERIENCE**

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

**PROFESSIONAL APPOINTMENTS**

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

**PUBLICATIONS**

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**Submitted Manuscripts:**

4. **Torres-Vanegas, F.** The importance of field experiments to understand the impact of anthropogenic disturbances on plant mating systems. Resubmitted to *American Journal of*

*Botany* (AJB-D-22-00410R1).

### Published Manuscripts:

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](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

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| 2023 | <i>Research Scholarship</i> . Swedish Phytogeographical Society. (\$32,500 SEK)             |
| 2022 | <i>Postdoctoral Scholarship</i> . Sven and Lilly Lawski Foundation. (\$300,000 SEK)         |
| 2020 | <i>Faculty of Arts &amp; Science Funding Package</i> . University of Toronto. (\$8,867 CAD) |
| 2016 | <i>Beca Doctorados en el Exterior</i> . COLCIENCIAS. (\$150,000 CAD)                        |

*CREATE Enviro Trainee*. National Science and Engineering Research Council  
(\$10,000 CAD)

## ORAL PRESENTATIONS

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### Invited Presentations:

- 2021 Centre for Biodiversity Dynamics Seminar Series. NTNU. Trondheim, Norway.  
2020 Landscape Genetics Symposium. International Association for Landscape Ecology  
North America. Virtual Remote Conference.  
Plant 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:

- 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

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

## TEACHING EXPERIENCE

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| <b>Distributed Graduate Seminar Landscape Genetics</b>   | 2022-Present |
| University of Toronto Mississauga, Department of Biology |              |
| <i>Group Project Leader</i>                              |              |
| <b>Guest Lecture</b>                                     | 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**

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

## **MENTORSHIP**

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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**

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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:** Frontiers in Genetics (1), American Journal of Botany (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).