

FELIPE TORRES-VANEGAS
CURRICULUM VITAE

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<https://felipetorresvanegas.github.io>
<https://github.com/felipetorresvanegas>

EDUCATION & RESEARCH EXPERIENCE

Ph.D. in Ecology and Evolutionary Biology 2016-Present

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.

M.Sc. in Ecology and Evolutionary Biology 2011-2013

Biogeography and Phylogenetics

Department of Biology, Universidad de los Andes

Thesis supervised by Santiago Madriñan and Wendy L. Clement

B.Sc. in Biology 2007-2011

Phylogenetics

Department of Biology, Universidad de los Andes

Thesis supervised by Santiago Madriñan

PROFESSIONAL APPOINTMENTS

Landscape Science Intern 2018-2019

Credit Valley Conservation

Mississauga, Canada

Science and Math Teacher 2014-2016

Colegio Los Nogales

Bogotá, Colombia

PUBLICATIONS

Submitted Manuscripts:

3. **Torres-Vanegas, F.**, Hadley, A.S., Kormann, U.G., Jones, F.A., Betts, M.G., Wagner, H.H. (Resubmitted to New Phytologist: NPH-MS-2021-38691.R1). Pollinator foraging tactics have divergent consequences for the mating system of a tropical plant.

Published Manuscripts:

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. *J. Ecol.* 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*. *Front. Genet.* 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

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| 2020 | <i>Faculty of Arts & Science Funding Package</i> . University of Toronto. (\$8,800). |
| 2017 | <i>Three-Minute Thesis Competition (Second Place)</i> . 3MT CREATE Enviro. Trent University.
<i>Best Speed Oral Presentation (Second Place)</i> . International Congress for Conservation Biology. Cartagena, Colombia. |
| 2016 | <i>Beca Doctorados en el Exterior</i> . COLCIENCIAS. Bogotá, Colombia. (\$300,000).
<i>CREATE Enviro Trainee</i> . National Science and Engineering Research Council (NSERC). (\$10,000). |

ORAL PRESENTATIONS

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:

- 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

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| Distributed Graduate Seminar Landscape Genetics | 2022 |
| University of Toronto Mississauga, Department of Biology | |
| <i>Group Project Leader</i> | |
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Guest Lecture | 2022 |
| University of Toronto Mississauga, Department of Biology | |
| <i>Diversity of Organisms (BIO153)</i> | |
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Teaching Assistantships | 2016-2022 |
| University of Toronto Mississauga, Department of Biology | |
| <i>Biometrics (BIO360).</i> | |
| <i>Ecology (BIO205).</i> | |
| <i>Introduction to Plant Morphology and Physiology (BIO203).</i> | |

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

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

Society Memberships: Society for Conservation Biology (SCB), International Association for Landscape Ecology (IALE), Canadian Society for Ecology and Evolution (CSEE).