

Carly D. Ziter

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RESEARCH INTERESTS

Landscape ecology; urban ecology; ecosystem services; biodiversity science; multifunctional landscapes; forest ecology; land-use legacies; sustainability

EDUCATION

- 2014-2018 **PhD** University of Wisconsin-Madison, Department of Integrative Biology
Advisor: Dr. Monica Turner
- 2011-2013 **MSc** McGill University, Departments of Biology, Natural Resource Sciences
Advisors: Dr. Andrew Gonzalez and Dr. Elena Bennett
- 2007-2011 **BSc** University of Guelph, Environmental Biology (minor Statistics)
Advisor: Dr. Andrew MacDougall

EMPLOYMENT AND ACADEMIC HISTORY

- 2018 (Dec) – Assistant Professor, Concordia University, Biology Department;
Cluster for Smart, Sustainable, and Resilient Cities and Communities
- 2019-2022 Adjunct Assistant Professor, Biology Department, University of Waterloo
- 2018 Visiting Researcher, Biology Department, Memorial University
- 2014 Ecosystem Service Analyst, Environment and Climate Change Canada,
Science and Technology Branch, Ottawa ON
- 2013 Research Technician, McGill University, Montreal QC

AWARDS AND HONOURS **funding in CAD unless otherwise noted*

- 2020 Sustainability Champion Award (team member), Concordia (*Institutional*)
- 2020 Research Communicator of the Year – National, Concordia (*Institutional*)
- 2019 Newsmaker of the Week, Concordia (*Institutional*)
- 2018 PhD Diversity and Excellence in Doctoral Research Award, Canadian
Society for Ecology and Evolution (*National, \$500*)
- 2017 PEO Ventura Neale Trust Endowed Scholar Award. Competitive fellowship
for women doctoral/medical students. Selected among 800 nominees as
one of 11 Endowed Scholars (*International: Canada/USA, \$15,000 USD*)
- 2017 Best Student Presentation Award, IALE-NA (*\$150 USD*)
- 2017 Best Student Presentation Award, Wisconsin Ecology (*\$500 USD*)
- 2016 Garden Club of America Urban Forestry Fellowship (*National, \$5000 USD*)
- 2015 Phi Kappa Phi National Honor Society (*National*)
- 2014 DIVERSITAS Youth Reporter (*International*)
- 2013 Hon. Mention Union of Concerned Scientists Ecoservice Award (*National*)

- 2011 Environmental Sciences Academic Prize, University of Guelph
(*Institutional, \$1000*)
- 2011 Beth Duncan Gold Medal, awarded for university extracurricular activities,
University of Guelph (*Institutional*)
- 2011 Best Student Talk, Ontario Biology Day (*Provincial, \$200*)
- 2010 Best Undergraduate Thesis Proposal in Integrative Biology, University of
Guelph (*Institutional, \$300*)

ACADEMIC PUBLICATIONS

Peer Reviewed Journal Articles ([Google Scholar](#): 494 citations, H-Index 12)

† indicates a student advisee

Submitted/In Review

Buxton RT, Bennett JR, Reid AJ, Shulman CM, Cooke SJ, Francis CM, Nyboer EA, Pritchard G, Binley A, Avery-Gomm S, Ban NC, Beazley KF, Bennett E, Blight LK, Bortolotti LE, Camfield AF, Gadallah Z, Jacob AL, Naujokaitis-Lewis I, Raudsepp-Hearne C, Roche DG, Souldard F, Stralberg D, Sadler KD, Solarik KA, **Ziter CD**, Brandt J, McKindsey CW, Greenwood DA, Boxall PC, Ngolah C, Chan KMA, Lapen D, Poser S, Girard J, DiBacco C, Hayne S, Orihel D, Lewis D, Littlechild D, Marshall S, McDermott L, Whitlow R, Browne D, Sunday J, Smith PA. Key information needs to move from knowledge to action for biodiversity conservation in Canada. (*Submitted*)

Ziter CD, Herrick B, Johnson M, Turner MG. Ready, set, go: Community-science field campaign reveals habitat preferences of non-native Asian earthworms in an urban landscape. *BioScience* (*Accepted pending minor revisions*)

Published/In Press

15. Shannon T, *†*Ahler S, *†*Mathers M, **Ziter CD**, Dugan H. 2020. Road salt impact on soil electrical conductivity across an urban landscape. *Journal of Urban Ecology* 6: juaa006
14. McDonald R, Mansur A, Ascensao F, Colbert M, Crossman K, Elmqvist T, Gonzalez A, Guneralp B, Haase D, Hamann M, Hillel O, Huang K, Kahnt B, Maddox D, Pacheco A, Pereira H, Seto K, Simkin R, Walsh B, Werner A, **Ziter CD**. 2020. Research gaps in knowledge of the impact of urban growth on biodiversity. *Nature Sustainability* 3: 16-24
13. **Ziter CD**, Pedersen EJ, Kucharik CJ, Turner MG. 2019. Scale-dependent interactions between tree canopy cover and impervious surfaces reduce daytime urban heat during summer. *PNAS* 116: 7575-7580
12. Dyson K, **Ziter C**, Patterson MS, Fuentes TL. 2019. Conducting urban ecology research on private property: advice for new urban ecologists. *Journal of Urban Ecology* 5: juz001
** Peer J Preprint was a "Top 5 Most Viewed Article" in its subject area in 2018*

11. **Ziter C**, Turner MG. 2018. No evidence of co-facilitation between a non-native Asian earthworm (*Amyntas tokioensis*) and invasive common buckthorn (*Rhamnus cathartica*) in experimental mesocosms. *Biological Invasions* 21: 111-122
10. **Ziter C**, Turner MG. 2018. Current and historical land use influence soil-based ecosystem services in an urban landscape. *Ecological Applications* 28: 643-654
9. **Ziter C**, Graves RA, Turner MG. 2017. How do land-use legacies affect ecosystem services in United States cultural landscapes? *Landscape Ecology* 32: 2205-2218
8. Rose KC, Graves RA, Hansen WD, Harvey BJ, Qiu J, Wood SA, **Ziter C**, Turner MG. 2017. Historical foundations and future directions in macrosystems ecology. *Ecology Letters* 20: 147-157
7. **Ziter C** 2016. The biodiversity-ecosystem service relationship in urban areas: A quantitative review. *Oikos* 125: 761-768
** Editor's Choice, June 2016*
6. Mitchell MGE, Bennett EM, Gonzalez A, Lechowicz M, Rhemtulla J, Cardille J, Vanderheyden K, Poirier-Ghys G, Renard D, Delmotte S, Albert C, Rayfield B, Dumitru M, Huang HH, Larouche M, Liss K, Maguire D, Martins K, Terrado M, **Ziter C**, Taliana L, Dancose K. 2015. Montérégie Connection: linking landscapes, biodiversity, and ecosystem services to improve decision making. *Ecology & Society* 20(4):15
5. **Ziter C**, Bennett E, Gonzalez A. 2014. Temperate forest fragments maintain aboveground carbon stocks out to the forest edge despite changes in community composition. *Oecologia* 176: 893-902
4. **Ziter C**, Bennett E, Gonzalez A. 2013. Functional diversity and management mediate aboveground carbon stocks in small forest fragments. *Ecosphere* 4: art85.
3. Liss K, Mitchell MGE, MacDonald GK, Mahajan S, Méthot J, Jacob AL, Maguire D, Metson G, **Ziter C**, Dancose K, Martins K, Terrado Casanovas M, Bennett EM. 2013. Variability in ecosystem service measurement: a case study of pollination service studies. *Frontiers in Ecology and the Environment* 11:414-422
2. **Ziter C**, MacDougall AS. 2013. Nutrients and defoliation increase soil carbon inputs in grassland. *Ecology* 94:106-116
1. **Ziter C**, Robinson EA, Newman JA. 2012. Climate change and voltinism in California insect pest species: sensitivity to location, scenario and climate model choice. *Global Change Biology* 18:2771-2780

Other Publications

Non-Peer Reviewed Articles

- Ziter C**, Pedersen EJ, Kucharik CJ, Turner MG. 2019. Reply to Drescher: Interdisciplinary collaboration is essential to understand and implement climate-resilient strategies in cities. *PNAS*
- Ziter C**, Mitchell M, Bardekjian A, Conway T, Danyluk A, Molnar M, Pachcinski M, Podur J, Schaefer V, Clark J, Murphy S. 2018. Connect Urban Planners and Urban Ecologists to

Create Sustainable Canadian Cities. The Nature of Cities.

Book Chapters

Miller J, **Ziter C**, Koontz M. Fieldwork in Landscape Ecology. In: Perry G, Minor E, Francis R, Millington J (eds) Handbook of Landscape Ecology. Routledge, Taylor and Francis Group (*Accepted*)

Bennett EM, Albert C, Ball A, Cardille J, Dancose K, Delmotte S, Gonzalez A, Hsin HH, Lechowicz M, Liss K, Kipp R, Maguire D, Mahajan S, Mitchell M, Teixeira-Martins K, Raudsepp-Hearne C, Renard D, Rhemtulla J, Taliana L, Terrado M, **Ziter C**. 2019. The Montérégie Connection: Understanding How Ecosystems Can Provide Resilience to the Risk of Ecosystem Service Change. In: Schröter M, Bonn A, Klotz S, Seppelt R, Baessler C (eds) Atlas of Ecosystem Services. Springer, Cham

Reports

McDonald R, Colbert M, Hamann M, Simkin R, Walsh B. (*Coordinating Lead Authors*), Ascensão F, Barton M, Crossman K, Edgecomb M, Elmqvist T, Gonzalez A, Guneralp B, Haase D, Hillel O, Huang K, Maddox D, Mansur A, Paque J, Pereira H, Pierce J, Weller R, Seto K, Tan M, **Ziter C** (*Lead Authors*). 2018. Nature in the Urban Century: A global assessment of important areas for safeguarding biodiversity and human well-being. The Nature Conservancy.

Doyle M, Malouin C, Liss K, **Ziter C**. 2014. Toward an Ecosystem Potential Index for Canada (EPIC): A Boreal Case Study. Environment and Climate Change Canada.

GRANTS AND SCHOLARSHIPS **funding in CAD unless otherwise noted*

Research Grants (as PI/Co-PI/Co-Applicant)

- 2020-2021 SSHRC Partnership Grant “Déconstruction du Pont Champlain : co-cr ation de propositions de r cup ration des mat riaux et engagement citoyen” (Co-PI, Alice Jarry is Lead PI, \$24,711)
- 2020-2021 Concordia Early Career Research Support Opportunity, “Community Tree Project” (Sole PI, \$6500)
- 2020-2025 Trottier Family Foundation, “Help Cities Offset the Effects of Heat Islands” (Co-PI, Ursula Eicker is Lead PI, \$100,000)
- 2019-2020 Concordia Cities Project Fund “Designing Pollinator Friendly Cities” (Lead PI, \$2000)
- 2019-2020 Concordia Cities Project Fund “Engagement durable et cycle de vie des mat riaux : le bien- tre des communaut s et la r cup ration d’une infrastructure routi re” (Co-PI, Alice Jarry is Lead PI, \$10,000)
- 2019-2024 NSERC Discovery Grant “Biodiversity-Ecosystem Service Relationships in Spatially Heterogeneous, Dynamic Urban Landscapes” (Sole PI, \$140,000 plus \$12,500 Discovery Launch Supplement)
- 2016-2017 National Geographic Early Career Grant, “Impacts of multiple invasive species on ecosystem service provision in an urbanizing agricultural

- watershed” (Lead PI, \$4116 USD)
 2014-2015 McGill Sustainable Projects Fund “Linking Action and Research on Sustainability” (Co-PI with Elena Bennett, Catherine Potvin; \$39,580)
 2014 Canadian Society for Ecology and Evolution Symposium Award (Co-PI, \$1000)

Research Grants (as Collaborator)

- 2020-2026 NSERC CREATE “Science Leadership for Global Sustainability” (Lead PI Damon Matthews, Ziter is collaborator, \$1,650,000)
 2020-2026 NSERC CREATE “Training the future leaders in urban forestry (Ufor)” (Lead PI Christian Messier, Ziter is collaborator, \$1,650,000)
 2019-2022 NERC “FUSED – Functionality of Urban Soils supporting Ecosystem service Delivery” (Lead PI Alex Dumbrell, Ziter is collaborator/visiting researcher, £1,055,502)

Scholarships, Travel Grants, Other Funding

- 2020 Course Design Support, Teaching and Learning Working Group, Concordia (\$2000)
 2020 ECO Canada student internship funding (x3) (\$11,000)
 2017/19 Phi Kappa Phi Honour Society Love of Learning Award (x2) (\$1000 USD)
 2016-2018 Travel Awards (x4), UW-Madison Integrative Biology Dept (\$2850 USD)
 2017 Travel Award Canadian Society for Ecology and Evolution (\$500)
 2017 Travel Award US-International Association of Landscape Ecology (\$500 USD)
 2014-2017 NSERC Canada Graduate Scholarship – PhD (\$105,000)
** declined to attend US institution, accepted NSERC PGS-D (\$63,000)*
 2015 Incoming Graduate Research Fellowship, UW-Madison (\$20,000 USD)
 2013 McGill International Research Award (\$2000 CAD)
 2012 Quebec Center for Biodiversity Science Excellence Award (\$2195)
 2011-2012 NSERC Canada Graduate Scholarship – MSc (\$17,500)
 2011 Graduate Excellence Fellowship, McGill University (\$4228)
 2011 Graduate Admission Award, McGill Biology Department (\$2500)
 2007-2011 Board of Governors Scholarship, University of Guelph (\$8000)
 2009/10 OAC Dean’s Scholarship, University of Guelph (x2) (\$2000)
 2010 Arthur Latornell Travel Award, University of Guelph (\$1000)
 2010 OAC’54 International Study Award, University of Guelph (\$1450)
 2009 NSERC Undergraduate Student Research Award (\$4500)
 2007 University of Guelph Entrance Scholarship (\$3000)

WORKING GROUP PARTICIPATION AND SYMPOSIA ORGANIZATION

- 2020-now Core Team member, NSF-RCN horizon-scan on Urban Eco-Evolutionary Dynamics
 2020 Invited Working Group Participant, Identifying Canada’s information needs to meet biodiversity conservation targets, Ottawa, ON
 2020 Invited Participant, Atelier de travaille sur la strategie de protection des pollinisateurs, City of Montreal

- 2020 Invited Working Group Participant, Subjective Atlas of Montreal
[CANCELLED/POSTPONED due to COVID-19]
- 2019 Symposium Co-Organizer (with I Laforest-Lapointe), “Integrating urban ecology across scales and trophic levels”, Canadian Society for Ecology and Evolution, Fredericton, NB
- 2019 Working Group Co-Organizer (with A Munson), Quebec Urban Biodiversity Research, Montreal, QC
- 2018-2020 Invited Working Group Participant, sUrBio2050 “Assessing globally important areas for biodiversity preservation and human well-being”, sDiv, Germany
- 2017 Symposium Co-Organizer (with M Mitchell), “Accelerating urban ecology in Canada: Identifying current research approaches, gaps, and needs in Canadian cities”, Canadian Society for Ecology and Evolution, Victoria, BC
- 2014 Symposium Co-Organizer (with Kiyoko Gotanda, Tanya Stemberger, Jesse Rogerson), “Science Communication: hands-on skill building in blogging and radio/podcasting”, Canadian Society for Ecology and Evolution, Montreal, QC

INVITED TALKS

Invited Plenaries and Public Lectures

- 2020 (Upcoming, November) Walrus Talks, “Living Better”
Keynote speaker, Ottawa-Carleton Institute of Biology symposium * Student invited speaker [CANCELLED/POSTPONED due to COVID-19]
- 2019 Keynote Speaker, Sustainability Across Disciplines Conference, Concordia University
Invited Panelist, Beyond Disciplines Lecture Series: Cities, Concordia University

Invited Seminars

- 2020 Seminar, Cary Institute, Millbrook, NY [CANCELLED/POSTPONED due to COVID-19]
Departmental Seminar, Université du Québec a Montreal
Departmental Seminar, York University
Departmental Seminar, Université de Montreal
- 2019 Departmental Seminar, Queens University, Biology
Departmental Seminar, Kent State University, Biology, Ohio USA
Departmental Seminar, Université de Montréal, Institute de recherché en biologie végétale
Departmental Seminar, McGill University, MacDonald Campus
Departmental Seminar, Concordia University, Geography, Planning, Environment
Departmental Seminar, University of Toronto Mississauga, Biology and Centre for Urban Environments
- 2018 Departmental Seminar, Concordia University, Biology
Departmental Seminar, University of Wisconsin-Madison, Biology Colloquium
Departmental Seminar, University of Wisconsin-Madison, Center for Limnology
- 2017 Departmental Seminar, Memorial University of Newfoundland, Biology

Invited Symposium/Panel Presentations

- 2020 Invited panelist, “Co-creating the Next-Generation Quartier: Let’s talk about urban biodiversity and wellbeing”, 4th Space, Concordia University
Symposium Speaker, International Association of Landscape Ecology – North America, Toronto [*Symposia CANCELLED due to COVID-19*]
Panelist, Sustainability and the Climate Crisis, Montreal, QC [*Conference POSTPONED due to COVID-19*]
- 2019 Symposium Speaker, Ecological Society of America, Louisville, KY
Symposium Speaker, Canadian Society for Ecology and Evolution, Fredericton, NB
- 2018 Symposium Speaker, Canadian Society for Ecology and Evolution, Guelph, ON
- 2017 Symposium Speaker, US-International Association of Landscape Ecology, Baltimore, MD **Best Student Presentation*

CONTRIBUTED TALKS (*presenting author only*)

- 2020 **Ziter C**, IALE-NA, Virtual Conference
- 2019 **Ziter C**, Pedersen EJ, Kucharik CJ, Turner MG. Partners in Community Forestry, Cleveland, OH **Competitive speaker selection*
- 2018 **Ziter C**, Pedersen EJ, Kucharik CJ, Turner MG. QCBS, Montreal, QC
Ziter C, Pedersen EJ, Kucharik CJ, Turner MG. NACCB, Toronto ON
Ziter C, Pedersen EJ, Kucharik CJ, Turner MG. US-IALE, Chicago IL
Ziter C, Turner MG. Wisconsin Ecology Symposium, Madison WI (Poster)
- 2017 **Ziter C**, Turner MG. CSEE, Victoria, BC
Ziter C, Turner MG. Wisconsin Ecology Symposium, Madison WI **Winner best talk*
- 2016 **Ziter C**, Turner MG. ESA, Fort Lauderdale FL
Ziter C, Turner MG. CSEE, St John’s NL
Ziter C, Turner MG. Early Career Scientists Meeting – NTL LTER, Madison WI
- 2015 **Ziter C**. ComSciCon: The National Science Communication Leadership Conference for Graduate Students, Cambridge MA (Poster)
- 2013 **Ziter C**. McGill Eco-Evo Seminar Series, Montreal QC
Ziter C, Bennett E, Gonzalez A. QCBS, Montreal QC
Ziter C, Bennett E, Gonzalez A. INTECOL, London UK
Ziter C, Bennett E, Gonzalez A. ESA, Minneapolis, MN
- 2012 **Ziter C**, Bennett E, Gonzalez A. QCBS, Montreal QC
- 2011 **Ziter C**, MacDougall AS. Ontario Biology Day, Waterloo ON **Winner best talk*

TEACHING

Undergraduate Courses

- 2020 BIOL398: Ecology of Urban Environments, Concordia (New course developed by Ziter, 60 students, Fall) [*Delivered remotely due to COVID-19*] **featured by Concordia News: “How to teach biology during a pandemic”* ([link](#))
- 2019-2021 BIOL226: Ecology and Biodiversity, Concordia (170 students, Winter)

Guest Lecturing

- 2019 Quebec Centre for Biodiversity Science Intensive Course, Mont St Hilaire

2019 Data Driven Ecological Synthesis Intensive Course, U de M Biological Station
2018 Great Lakes, Rochester Institute of Technology
2016 Biology and Philosophy of Human/Animal Relationships, UW-Madison
2014 Research in Sustainability, McGill University Department of Geography
2012 Population and Community Ecology, McGill University

Teaching Assistant

2014-2017 *UW-Madison*: Introductory Biology (x2); Biocore Ecology, Evolution, Genetics
2012-2013 *McGill*: Population and Community Ecology; St. Lawrence Ecosystems

SUPERVISION AND MENTORING

*I lead an active, diverse research group of undergraduate, graduate, and postdoctoral trainees spanning biology, geography, and interdisciplinary studies. **My trainees have been highly successful in obtaining internal and external independent funding with my support, totalling over \$255,000 in funding over the past 2 years.***

Postdoctoral Researchers

Gail MacInnis, 2019 – now (*MITACS Elevate Fellowship, Concordia Postdoc Top Up Award*)

Graduate Students

Bella Richmond, PhD Biology, *Starting Jan 2021 (Concordia Merit Scholarship, Concordia University Graduate Fellowship)*

Lingshan Li, PhD Geography, Planning, Environment, 2020-now (Co-advised Ursula Eicker, Angela Kross via the *Concordia Cities Cluster*)

Fatemeh Izadi, PhD Individualized program, 2020-now (Interdisciplinary PhD program; Co-advised Ursula Eicker, Carmella Cucuzzella via the *Concordia Cities Cluster*)

Kayleigh Hutt-Taylor, MSc Biology, 2019 – now (*Concordia Merit Scholarship*)

Emily Kroft, MSc Biology, 2019 – now (*Concordia Faculty of Arts and Sciences Scholarship, NSERC CGS-M Award*)

Serena Sinno, MSc Biology, 2019 – now (Co-advised JP Lessard) (*Hydro Quebec Scholarship*)

Undergraduate Researchers

Katie Philps, BSc Honours Project 2020 – now

Kieu-Nhi Vu, BSc Honours Project 2020 – now

Majed Al Hanout, Summer 2020 (*NSERC USRA, FRQNT Top Up*)

Maya Catterall, Summer 2020 (*Concordia USRA*)

Élie Comtois, Summer 2020 (*ECO Canada Internship*)

Daniel Cretu, Summer 2020 (*ECO Canada Internship*)

Emma McLaughlin, Summer 2020 (*ECO Canada Internship*)

Kieu-Nhi Vu, Summer 2019 (*Concordia USRA*)

Katie Philp, Summer 2019 (*Field Technician*)

Serena Sinno, Summer 2019 (*Field Technician*)

Student Committees

Danny McIsaac, MSc Biology, University of Waterloo (R Rooney, Advisor), 2020-now
Gabrielle Nessel, MSc Biology, Concordia (D Fraser, P Peres-Neto, Advisors), 2020-now
Gabrielle Rimok, MSc Biology, Concordia (P Peres-Neto, Advisor), 2020-now
Pamela Yataco, BSc Biology, Concordia (E Despland, Advisor), 2019
Shannon Clarke, MSc Biology, Concordia (J Grant, D Fraser, Advisors), 2019 – now
Isaac Eckert, MSc Biology, Concordia (JP Lessard, Advisor), 2019 – now
Victor Renaud, MSc Biology, Concordia (JP Lessard, Advisor), 2019 – now
Anne-Sophie Caron, PhD Biology, Concordia (E Despland, Advisor), 2019 – now

Additional Mentoring

2017-2018 Peer mentor, Zoology Introductions for New Students program, UW-Madison
2012-2017 Supervised 6 research assistants, McGill and UW-Madison
2013 Supervised 3 sustainability interns, McGill

PROFESSIONAL SERVICE

Selected University and Community Service

2020 – Faculty of Arts and Sciences representative, Centraide, Concordia University
2019 – Core Faculty Member, Concordia “Cities Cluster”, including involvement in establishing Concordia’s upcoming “Next Generation Cities” Institute
2019 – Internal MSc NSERC Committee, Faculty of Arts and Sciences, Concordia University
2019 – Fellow, Loyola Sustainability Research Centre, Concordia University
2019 – Fellow, Science College, Concordia University
2019 – Communication Committee, International Association of Landscape Ecology – North America
2020 Working Group, Increasing Access to Campus Green Spaces During COVID-19, Concordia University
2019 Organizing Committee and Volunteer, Loyola Campus Tree Planting (185 native trees planted on campus in partnership with Soverdi)
2019 Judge, Student Presentations, Bold Science Conference, Concordia University
2019 City Studio Planning Meeting, Concordia University
2017-2019 Journal of Urban Ecology Editorial Board – Social Media Editor
2015-2019 International Network of Next Generation Ecologists Working Group
2016-2018 Leadership of data collection, processing, and management for a 150-sensor array to study urban heat island effects for the NTL-LTER
2015-2016 President, UW-Madison Zoology Graduate Student Organization
2015-2016 Grad student rep, Zoology Instructional Programs Committee, UW-Madison
2012-2013 Organismal Seminar Graduate Representative, McGill Department of Biology
2012-2013 Grad student rep, Conservation, Ecology, Evolution, Behavior Seminar, McGill
2012-2013 Councilor, McGill Biology Graduate Student Association
2012-2013 Organizing Committee, Conservation, Ecology, Evolution and Behavior Graduate Student Symposium, McGill

External Reviewer

- 2015 – Peer Reviewer: BioScience (6), Conservation Letters, Ecology and Society, Ecological Applications, Ecosphere, Frontiers in Ecology and the Environment, Journal of Applied Meteorology and Climatology, Journal of Plant Ecology, Landscape Ecology, Landscape and Urban Planning, Nature Communications (2), PLOS One (4), PNAS, Regional Environmental Change, Science of the Total Environment (2), SOIL, Urban Ecosystems (2), Urban Forestry and Urban Greening
- 2020 Grant Reviewer: Mitacs Accelerate
- 2020 International Grant Reviewer: BRAIN-be (Belgian Research Action through Interdisciplinary Networks)
- 2020 International Grant Reviewer: Macquarie University Research Fellowships
- 2019-2020 Reviewer, CSEE PhD Diversity and Excellence Awards
- 2019 External Reviewer: Canada in a Changing Climate: Advancing our Knowledge for Action. National Assessment, Government of Canada
- 2017 International Grant Reviewer: NRF Singapore CREATE

Professional Memberships

Canadian Society for Ecology and Evolution; Ecological Society of America; Quebec Center for Biodiversity Science; International Association for Landscape Ecology – North America

SELECTED KNOWLEDGE MOBILIZATION

Public Science Writing

- 2020 Invited Essay, “Une transition vers des villes plus vertes”, La Presse. One of 14 pieces in the *L’après-COVID-19* dossier coordinated by Catherine Girard, Isabelle Laforest-Lapointe, and Felix Mathieu:
<https://www.lapresse.ca/debats/opinions/202005/01-5272273-lapres-covid-19-une-transition-vers-des-villes-plus-vertes.php>
- Invited Essay, Global COVID Roundtable, The Nature of Cities:
<https://www.thenatureofcities.com/2020/05/03/covid-has-upended-all-the-normal-routines-in-our-lives-and-work-how-do-you-imagine-you-might-be-changed-by-it-both-professionally-but-also-personally-as-you-negotiate-a-new-post-virus-norm/>
- Guest Contributor, Scientist Sees Squirrel Blog:
<https://scientistseessquirrel.wordpress.com/2020/03/03/in-praise-of-the-red-pen-editing-as-an-act-of-caring/> and
<https://scientistseessquirrel.wordpress.com/2020/03/31/editing-as-conversation/>
- Guest Contributor, Plant Love Stories Blog:
<https://www.plantlovestories.com/post/to-all-the-trees-i-ve-loved-before>

Education and Outreach

- 2020 (Upcoming, November) Invited speaker, *The Walrus Talks: Living Better*
Invited speaker, St James Church Forest "Pick Up Day", Montreal City Mission
*Trilingual event for new Canadians, facilitated by three Ziter lab students
Invited talk on Science Careers, "Quest Lab", Mississippi State
Invited talk, "Urban Ecology Lab Breakfast", Seattle
Research featured in children's book *Adventures of your Friendly Neighbourhood Urban Ecologists* (anticipated Fall 2021, Annick press, author Cylita Guy)
- 2019 Urban Biodiversity Exhibit as part of "Next Generation Cities" Programming at Concordia 4th Space, Montreal
- 2018 Invited speaker, Meet the Author Event, Young Ecosystem Service Specialists
Invited speaker, 18th Annual Science Day, UW-Madison Arboretum
Public Lecture University Woods Oakwood Village
- 2017 Invited speaker, PEO International Chapter AE and DH
Public lecture Dane County Community Gardens Coalition
Public lecture Madison Christian Community
Public lecture Madison Public Library
Organized Madison's "Citywide Jumping Worm Survey", a citizen science census to quantify presence and abundance of an invasive species, sponsored by NTL-LTER, UW-Madison Integrative Biology, UW-Madison Arboretum
Invited speaker, 17th Annual Science Day, UW-Madison Arboretum
Guest Lecture, La Follette High School
Workshop facilitator, Meeting our future water needs: A technical workshop for stakeholders by Water, Sustainability and Climate project, UW-Madison
- 2015-2017 Outreach volunteer, UW-Madison's Science Expeditions (Annually, x3 years)
- 2014-2016 Outreach volunteer, Wisconsin Science Festival (Annually, x 3 years)
- 2016 Presentation to UW Arboretum staff on invasive earthworm research
Invasive earthworm demonstration, U-Maine Field Natural History class
Invasive earthworm demonstration, Forest Health workshop UW-Arboretum
Outreach volunteer, "Teen Science Cafés"
Panelist, "Strategies for securing student grants", ESA, Fort Lauderdale FL
- 2015-2016 Outreach volunteer, UW-Madison Darwin Day (Annually, x2 years)
- 2015 Guest Instructor, UW-Madison Preschool Laboratory
Outreach volunteer, Dane County Farm Technology Days, Sun Prairie, WI.
Invited Panellist, UW-Madison Undergraduate Zoological Society
- 2013-2014 Blogger, Jane Goodall Institute of Canada
- 2014 Workshop lead, "Social Media, Websites, and Technology in Science Communication". UW-Madison Graduate Student Informal Seminar Series
Project Manager "Linking Action & Research on Sustainability". A bilingual science communication initiative through McGill's Office of Sustainability, focused on training and supporting scientists in publicizing their research
- 2013 Social Media Coordinator, Project Manager "Montreal's Ecosystems at your Service". A bilingual science communication initiative through McGill's Office of Sustainability, using storytelling to connect Montrealers with nature.
Panelist, Canadian Science Writer Association Annual Meeting, Montreal, QC.
- 2011-2013 Presenter (x10), Let's Talk Science, McGill University.

2012 Invited speaker, Curieux de Nature Lecture Series, Mont Saint Hilaire

ADDITIONAL PROFESSIONAL EXPERIENCE AND TRAINING

2019 Participant, Intersectionality: What is it and how can it inform our workplace and research practices? Workshop from Society for Women Entering Ecology and Evolution Today

2018 Participant, How to use your science to inform and influence policy for concrete conservation outcomes. Workshop from Evidence for Democracy

2017 Participant, Breaking the prejudice habit: Creating Inclusion and Overcoming Bias. Workshop led by Dr. Patricia Devine, Dr. William Cox, UW-Madison
Participant, Diversity and Inclusivity Training, UW-Madison
Participant, COMPASS Workshop: Communicating your Science, UW-Madison

2016 Invited Participant, National Geographic Storytelling Bootcamp, UW-Madison

2015 Participant, Data Carpentry Workshop, UW-Madison
Invited participant, ComSciCon: National Science Communication Leadership Conference for Graduate Students. 50 selected students of 970 applicants

2014 DIVERSITAS Youth Reporter. One of four international students selected to report on the DIVERSITAS Meeting and transition to Future Earth, Spain

SELECTED MEDIA COVERAGE

My work and that of my trainees is regularly featured in news and other media, appearing in over 40 print and broadcast stories in the past 2 years

2020 Urban beekeeping can be bad for wild bees CBC NEWS by Emily Chung ([link](#))
(features postdoc MacInnis)
Study asks N.D.G. residents to measure trees in their own backyards.
MONTREAL GAZETTE by T'Cha Dunlevy ([link](#)) *(features student Hutt-Taylor)*
What's in your backyard. Let's Go with Sabrina Marandola. CBC RADIO ([link](#))
Landscape Ontario Podcast. Thinking Beyond the Park, with Scott Barber ([link](#))

2019 Why liveable cities need public spaces that aren't an afterthought, GLOBE AND MAIL ([link](#))
Les arbres, ces miniclimatiseurs. LE DEVOIR by Magdaline Boutros ([link](#))
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