

Christopher Jochen Greyson-Gaito

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Education

- University of Guelph GUELPH, CANADA
Doctor of Philosophy student in Ecology *September 2018 – Present*
Advisor: Dr. Kevin McCann
- University of Guelph GUELPH, CANADA
Master of Science in Ecology *January 2016 – August 2018*
Thesis: "Flexibility of the spruce budworm parasitoid food web"
Advisors: Dr. Kevin McCann & Dr. Eldon Eveleigh
- University of British Columbia VANCOUVER, CANADA
Bachelor of Science (Honours) in Ecology *September 2010 – May 2014*
Thesis: "Access to food drives movement in the Arctic woolly bear caterpillar, *Gynaephora groenlandica* (Wocke) (Lepidoptera: Lymantriidae)"
Advisors: Dr. Greg Cruksinger & Dr. Greg Henry
- Warwickshire College LEAMINGTON SPA, U.K.
International Baccalaureate Diploma *September 2008 – May 2010*
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Publications

Christopher J. Greyson-Gaito, Sarah J. Dolson, Glen Forbes, Rosanna Lamb, Wayne E. MacKinnon, Kevin S. McCann, M. Alex Smith, Eldon S. Eveleigh. Contribution of hardwood trees to budworm parasitoid food web dynamics. (In review at Canadian Journal of Forest Research).

Christopher J. Greyson-Gaito, Kevin S. McCann, Jochen Fründ, Christopher J. Lucarotti, M. Alex Smith, Eldon S. Eveleigh. (In press). Parasitoid community responds indiscriminately to fluctuating spruce budworm and other caterpillars on balsam fir. *The Canadian Entomologist*.

Christopher J. Greyson-Gaito, Timothy J. Bartley, Karl Cottenie, Will M.C. Jarvis, Amy E.M. Newman, Mason Stothart. 2020. Into the wild: microbiome transplant studies need broader ecological reality. *Proceedings of the Royal Society B: Biological Sciences* **287**(1921)

Matthew A Barbour, **Christopher J. Greyson-Gaito**, Arezoo Sootodeh, Brendan Locke, Jordi Bascompte. 2020. Loss of consumers constrains phenotypic evolution in the resulting food web. *Evolution Letters* **4**(3):266-277.

M. Rodriguez-Cabal, N. Barrios-Garcia, **C. Greyson-Gaito**, H. Slinn and G. Cruksinger. 2019. Non-native ungulates triggered indirect impacts on foliar arthropods, but not on soil function. *Biological Invasions*. **21**(10):1-8

Christopher J. Greyson-Gaito, Matthew A. Barbour, Mariano A. Rodriguez-Cabal, Gregory M. Cruksinger, Gregory H. R. Henry. 2016. Freedom to move: Arctic caterpillar (Lepidoptera) growth rate increases with access to new willows (Salicaceae). *The Canadian Entomologist* **148**:6 673-682.

Book Chapters

Gabriel Gellner, Kevin S. McCann, **Christopher J. Greyson-Gaito**. 2020. The Synergistic Effects of Interaction Strength and Lags on Ecological Stability (Chapter). *Theoretical Ecology: Concepts and Applications*. Edited by Kevin S. McCann and Gabriel Gellner. Oxford University Press. Oxford, United Kingdom.

Scholarships and Awards

Natural Sciences and Engineering Research Council of Canada 2018-August 2021	September
Alexander Graham Bell Canada Graduate Scholarship-Doctoral (CGS D) (\$105,000)	
University of Guelph	March 2018
André Auger Citizenship Award	
University of Nevada - Reno	September 2018
Graduate Dean's Merit Scholarship - Declined (\$10000 USD)	
Royal Canadian Geographical Society	September 2017
James Bourque Research Grant (\$2500)	
University of Guelph	September 2017-August 2018
Queen Elizabeth II Graduate Scholarship in Science and Technology (\$15,000)	
Elgin Card Scholarship in Terrestrial Animal Ecology (\$4000)	October 2016
Arthur D. Latornell Travel Scholarship (\$400)	May 2016
University of Guelph	January 2016 - December 2017
Graduate Tuition Scholarship (\$16000)	
Natural Sciences and Engineering Research Council of Canada	May - August 2014
Undergraduate Student Research Award (\$7200)	
Mary and Joseph Bryant Scholarship (\$825)	September 2013
UBC Biodiversity Research: Integrative Training & Education	May - August 2013
Undergraduate Student Research Award (\$6263)	
Natural Sciences and Engineering Research Council of Canada	May - August 2012
Undergraduate Student Research Award (\$7200)	
Go Global International Learning Programs Award (\$1500)	May - August 2011
President's Entrance Scholarship (\$2500)	September 2010

Conference Presentations

Christopher J. Greyson-Gaito*, Timothy J. Bartley, Karl Cottenie, Will M.C. Jarvis, Amy E.M. Newman, Mason Stothart. Into the wild: microbiome transplant studies need broader ecological reality. Second International Conference on Holobionts, 8-10 May 2019, Montréal, Quebec.

Christopher J. Greyson-Gaito*, Eldon S. Eveleigh, Kevin S. McCann. Flexibility of the spruce budworm -parasitoid food web in response to spruce budworm density fluctuations. Canadian Society for Ecology and Evolution Meeting, 19-21 July 2018, University of Guelph, Guelph, Ontario.

Christopher J. Greyson-Gaito*, Kevin S. McCann. Interaction of an explicit and an implicit time delay in a one predator-two prey system (Poster). Living on the Precipice, Waterloo Institute for Complexity and Innovation spring conference, 16-17 May 2017, University of Waterloo, Waterloo, Ontario.

Christopher Greyson-Gaito*, Kevin S. McCann. Interaction of an explicit and an implicit time delay in a one predator-two prey system (Poster). Peter Yodzis Colloquium in Fundamental Ecology, 11-12 May 2016, University of Guelph, Guelph, Ontario.

Matthew Barbour*, **Christopher Greyson-Gaito**, Brendan Lock, Arezoo Sotoodeh, Erik Jules, Gregory Crutsinger. Food-web complexity reduces variation in herbivore fitness among host-plant genotypes (Poster). Ecological Society of America Annual Meeting, 9-14 August 2015, Baltimore, Maryland.

Christopher J. Greyson-Gaito*, Matthew A. Barbour, Gregory M. Crutsinger, Gregory H. R. Henry. Access to food drives movement in the Arctic woolly bear caterpillar. Multidisciplinary Undergraduate Research Conference, 22 March 2014, University of British Columbia, Vancouver, Canada.

Christopher J. Greyson-Gaito*, Gregory H.R. Henry. Intraspecific plant variation may promote diet mixing in an Arctic specialist insect herbivore (Poster). ArcticNet Annual Scientific Meeting, 9-13 December 2013, Halifax, Canada.

Research Experience

Schuur Lab, Northern Arizona University FLAGSTAFF, UNITED STATES OF AMERICA

Research Assistant *May 2015 – November 2015*

Changes in carbon cycling in subarctic tundra ecosystems as a result of warming temperatures and permafrost thaw.

Rodriguez-Cabal Lab, Universidad del Comahue BARILOCHE, ARGENTINA

Volunteer Research Assistant *January 2015 – March 2015*

Consequences of the loss of native species and the addition of invasive species to the populations, communities and ecosystem functioning of temperate forests in Patagonia.

Crutsinger Lab, University of British Columbia VANCOUVER, CANADA

Volunteer Research Assistant *January 2014 – December 2014*

Food-web complexity reduces variation in herbivore fitness among host-plant genotypes

Tundra Ecology Lab, University of British Columbia VANCOUVER, CANADA

Research Assistant *May 2012 – August 2014*

The ecological and evolutionary consequences of climate change in a High Arctic tundra ecosystem.

Teaching Experience

Biol 3060 - Populations, Communities, Ecosystems. University of Guelph GUELPH, CANADA

Teaching Assistant

January 2021 – April 2021

Writing in the Sciences: A Song of Ice and Fire. McLaughlin Library GUELPH, CANADA

Workshop designer and presenter

September 2018 – Present

Writing Services, McLaughlin Library, University of Guelph GUELPH, CANADA

Writing Support Teaching Assistant

September 2017 – April 2018

Biology 1070 - Discovering Biodiversity, University of Guelph GUELPH, CANADA

Teaching Assistant

January 2017 – April 2017

Biology 2060 - Ecology, University of Guelph GUELPH, CANADA

Teaching Assistant

September 2016 – December 2016

Community Service

Progressive Money Canada

CANADA

Volunteer

October 2020 - Present

Dealing with any incoming emails. Producing newsletters and new campaigns.

Alliance for Just Money U.S.A

U.S.A

Volunteer

January 2021 - Present

With other volunteers, producing campaigns to increase youth and minority participation in monetary reform movement.

University of Guelph - Integrative Biology Holiday Party Auction GUELPH, CANADA

Organiser

December 2016, 2017, 2018

Initial creation of and continued organising of annual Integrative Biology Holiday Party Auction. Raising funds for a variety of charities.

University of Guelph - Integrative Biology Graduate Student Seminar GUELPH, CANADA

Organiser

September 2018 – March 2020

Organising of weekly graduate seminars in the department.

University of Guelph - Integrative Biology Evelyn Pielou Discussion Group GUELPH, CANADA

Co-organiser

September 2016 – December 2020

Organising of weekly discussion topics and maintenance of Pielou listserv and webpage.

University of Guelph - Integrative Biology Graduate Curriculum Committee GUELPH, CANADA

Graduate Student Representative

September 2016 – April 2017

Providing graduate student perspectives in the improvement of the IB Graduate Curriculum.

McMaster Children and Youth University - Guelph Chapter GUELPH, CANADA
Volunteer September 2016 – April 2017
Designing and dissemination of a workshop entitled "Backyard Biodiversity".

University of Guelph Let's Talk Science GUELPH, CANADA
Volunteer January 2016 – December 2016
Science, Technology, Engineering, and Mathematics outreach in local schools.

UBC International Service Learning Placement MONTEZUMA, COSTA RICA
Internship May 2011 – August 2011
Outreach for and improving the local recycling centre.

Skills

Technical specialties: R *intermediate*, L^AT_EX *intermediate*, HTML & CSS *beginner*, Ruby *beginner*, Julia *beginner*

Lab Safety: University of Guelph Laboratory Safety 2016 course
University of Guelph WHMIS 2016 course

Fire Arms: Non-restricted Fire Arms Safety Course
