

M.Sc. and Ph.D. Positions in Evolutionary Ecology

The EvoEco Lab has full funding for 2-3 PhD (international and domestic) & MSc (domestic only) students starting in 2021 to study evolutionary ecology on basic or applied problems on plants, animals, microbes and their interactions. Graduate students in my lab are members of the Ecology and Evolutionary Biology Department at University of Toronto (<http://www.eeb.utoronto.ca>), and are based in the Department of Biology at University of Toronto Mississauga (<https://www.utm.utoronto.ca/biology/home>).

We take an interdisciplinary approach to research that merges the concepts and techniques from evolutionary biology, ecology, chemistry and genetics, all with a heavy dose of statistics and often computational biology. Existing research in the lab focuses on evolution in response to urbanization, evolution on islands, the evolutionary consequences of sexual and asexual reproduction, plant-herbivore coevolution, eco-evolutionary dynamics, and plant-microbe interactions. We are always willing to consider new research directions motivated by students' interests, expertise and initiative, including interdisciplinary research that merges evolutionary ecology with other disciplines.

As PI of the EvoEco Lab, I work one-on-one with students to develop ideas, experimental designs, trouble-shooting data collection, statistics, interpretation of results and writing of scientific papers. Training and support is tailored to an individual's degree (MSc, PhD or PDF), progress in their research, and individual needs. Students typically gain increased independence during the course of their studies, and most PhD students publish papers independent of me and/or the lab at some point in their degree.

The EvoEco Lab currently consists of domestic and international PhD students, post-docs, a technician, undergraduate project and work-study students. We value hard-working, enthusiastic individuals that are team-players. Lab members are creative with diverse perspectives and backgrounds. We expect all lab members to show a commitment to

equity, diversity and inclusion rooted in mutual respect for others' work, personal perspectives and unique backgrounds.

At minimum, applicants should have existing independent research experience (e.g., senior thesis, NSERC USRA, NSF REU, MSc). Individuals with recent publications, conference presentations or work in preparation and near submission is an asset during the application process. Domestic students (Canadian citizens or permanent residents) should be competitive for NSERC and OGS fellowships. I welcome all applications and I especially encourage applicants from underrepresented groups in evolutionary ecology, including women and non-binary individuals, individuals that identify as Black, Indigenous, and/or a person of colour, and individuals identifying as LGBTQ2+. Please see the EvoEco Lab statement on diversity, equity and inclusion available at www.evoeco.org.

Applications should be sent to marc.johnson@utoronto.ca and include: i) a cover letter explaining your research interests and background, and why you are specifically interested in applying to my lab; ii) a CV, and iii) transcript. If you have publications, I'd be grateful if you can include 1-2 of your papers with your application. I'll be accepting applications and scheduling interviews through the rest of 2020, with decisions in early 2021.

Thank you,
Prof. Marc Johnson