



## **MSc/PhD in molecular ecology, Trent University**

Supervisors: Dr. Marcel Dorken and Dr. Joanna Freeland, Dept. of Biology;  
Dr. Aaron Shafer, Forensic Science Program

We are seeking to recruit a motivated MSc/PhD candidate to develop genomic markers and use them to characterize hybridization dynamics in a well-studied cattail species complex that in Canada comprises *Typha latifolia*, *T. angustifolia*, and their invasive hybrid *T. x glauca*. This will initially involve lab work and bioinformatics analyses for identifying numerous SNP markers, with the scope to build on this by addressing one or more questions pertaining to hybrid fitness and hybrid breakdown as it relates to invasive plants. Applicants should have an interest in evolutionary biology, wetland plants, and molecular analyses. Candidates must have completed a BSc (or BSc + MSc) degree in biology, with some bioinformatics experience preferred but not essential.

Interested candidates should contact Joanna Freeland ([joannafreeland@trentu.ca](mailto:joannafreeland@trentu.ca)) for more information, or send (via e-mail) a statement of research interests and related experience, plus a copy of their current CV and academic transcripts.