



## **PhD in Population Genomics, Trent University**

Supervisor: Aaron Shafer, Environmental and Life Sciences Graduate Program. Lab webpage: <http://www.aaronshafer.ca/>

Anticipated start date is Sept 2020.

I am seeking to recruit a motivated PhD candidate to analyze range-wide population genomic data of white-tailed deer. The project will focus on characterizing genomic signatures of edge and isolated populations, while expanding on previous work that identified genes underlying antler morphology and body size. The project will involve basic lab work and bioinformatics analyses on a large computer cluster; the successful applicant will be able to expand on the demographic and adaptive analyses to address fundamental questions in population genetics. Applicants should have an interest in evolutionary biology, population/conservation genetics, and wildlife. Candidates must have completed a BSc (or BSc + MSc) degree, with some bioinformatics or population genetics experience preferred but not essential. MSc applications will also be considered.

General inquiries should be sent to Aaron Shafer ([aaronshafer@trentu.ca](mailto:aaronshafer@trentu.ca)). Applications should use the subject line: "Deer Graduate Project" and include a brief statement of research interests and related experience, plus a copy of their current CV and academic transcripts.