

Ph. D. Project – Impacts of silvicultural treatments involving assisted migration on biodiversity and trophic cascades of insect and vertebrate communities

Supervisor: Marc J. Mazerolle, Université Laval

Cosupervisor: Mathieu Bouchard, Ministère des forêts, de la faune et des parcs

Project description:

We are seeking a motivated individual to conduct a Ph. D. in forest sciences at Université Laval on the influence of silvicultural treatments on insect-vertebrate interactions. Assisted tree migration is a strategy considered to potentially address responses to climate change. This project aims to quantify the impact of such strategies on amphibian, reptile, bird, mammal, and insect communities, as well as on predator-prey interactions between these taxa. Different field methods will be used to sample the different taxa, including, pitfall traps, live traps, point counts, and coverboards.

Required qualifications:

M. Sc. in biology, wildlife, forest sciences, or related field

Strong academic record

Quantitative analytical skills

Scientific writing skills

Experience in animal ecology

Motivation and independence in the field

Funding:

This project includes a scholarship of 20 000\$/year during three years.

Start date :

January 2021 or April 2021

Contact:

To apply for this position, send a cover letter, CV, and unofficial transcripts to Marc J. Mazerolle (marc.mazerolle@sbflaval.ca).

Applications will be reviewed starting 15 November 2020 until position is filled.