

**Postdoc / research professional position available immediately:**

## **Conservation genetics of Blanding's turtle**

**Ecological and Environmental Genomics Lab, Université du Québec en  
Outaouais / Institut des Sciences de la Forêt Tempérée**

**Project summary:** To efficiently protect threatened species, it is first necessary to obtain precise information on the distribution, abundance, and diversity of target populations. For most species, standard monitoring methods require a considerable amount of time. To facilitate the detection and monitoring of threatened species' populations, the development of new methods that are both quicker and more sensitive is needed. Environment DNA is now routinely used to detect many aquatic species. However, this method is still rarely used to measure a species' abundance in a given habitat. Furthermore, data on genetic diversity and population genetic isolation are also needed to design an efficient restoration plan, and these data could potentially be obtained directly from eDNA. The objectives of this project led in collaboration with several federal and provincial agencies are to develop a semi-quantitative method based on eDNA to estimate the abundance of the Blanding's turtle, and to evaluate the possibility to obtain population genetic data directly from eDNA.

**Requirements:** The candidate should have a PhD in biological sciences, or an equivalent research experience. Ideally, the candidate will have a strong experience both in molecular ecology lab techniques and in the bioinformatic analysis of next-generation sequencing data. Depending on the candidate's interests, the participation to other projects is possible (we have several projects on hardwood tree population genomic and climate adaptation). The exact position (postdoc or research professional) and the salary (from about 38,000 CAD / year plus benefits) will depend on the candidate's experience. The position is available immediately for one year, with funding available for at least another year.

**Location:** The lab is located at the Institut des Sciences de la Forêt Tempérée (<https://isfort.uqo.ca/>) in Ripon, a small village located at 1h from Ottawa and 1h30 from Montreal, a gorgeous location with plenty of outdoor activities available. Most shops / people in the area are bilingual so knowledge of French is not required but can be helpful.

If interested, please contact Yann Surget-Groba ([yann.surget-groba@uqo.ca](mailto:yann.surget-groba@uqo.ca)) with your CV, a motivation letter and three reference letters.