

Postdoctoral Researcher—Integrating predictions from species distribution models into conservation planning in southeastern Canada

The Lee-Yaw lab (www.leeyawlab.ca) at the University of Ottawa in collaboration with the Institute for Wetland and Waterfowl Research (<https://iwwr.ducks.ca/>) at Ducks Unlimited Canada is seeking a highly motivated individual to join our team as a post-doctoral researcher.

This position involves developing species distribution models (SDMs) for a suite of species in the Mixedwood Plains and Atlantic Maritimes Ecozones of southeastern Canada. Our goal is to explore how biodiversity has and will continue to respond to land cover and climate change in this region and to integrate SDMs into Ducks Unlimited Canada's conservation planning tools to support the prioritization of different conservation actions for biodiversity.

The post-doc will join a growing and interdisciplinary lab at the University of Ottawa. The lab is broadly focused on understanding species' distributions and applying insights gained from spatial models and genomic data to conservation. There are opportunities to use the SDMs to address additional questions within these broader themes as time permits. The post-doc will also have opportunities to collaborate with students and other researchers associated with the lab. Although the post-doc will be based at the University of Ottawa, the post-doc will work closely with co-investigator Dr. James Paterson at Ducks Unlimited Canada to develop code and models and will have opportunities to visit the Ducks Unlimited Canada National Headquarters at Oak Hammock Marsh in Manitoba.

Qualifications:

- A PhD in biology, ideally with a focus in spatial ecology, conservation, and/or biogeography.
- Experience working with GIS data and experience developing correlative species distribution models
- High proficiency in R and ArcGIS
- A demonstrated track record of scientific productivity as evidenced through peer-reviewed publications.
- Excellent communication skills and a motivation to publish.
- Ability to work independently and to contribute to the mentorship of junior students.

We value diversity and are committed to advancing equity and inclusion in academia. All qualified candidates are welcome to apply, and we particularly welcome applications from members of historically underserved groups in ecology and conservation.

Compensation:

This is a two-year position with compensation set at \$70,000 CAD per year. We are also happy to work with the selected candidate to develop applications for external funding, which can provide additional support.

Start date:

The position will ideally start in September 2024 but a slightly later start is possible.

To apply:

Please send an email with the subject "SDM post-doc application" to jleeyaw@uottawa.ca. Please include:

- Your CV
- A cover letter outlining how your research interests and qualifications align with the position.

Review of applications will start June 15 and continue until the position is filled.