

Postdoctoral position: Contributions of private versus public urban forests to connectivity, biodiversity, and climate-related ecosystem services across Canadian cities

We are seeking a motivated postdoctoral fellow to join a collaborative urban ecology project between Concordia University (Dr. Carly Ziter), Université Laval (Dr. Janani Sivarajah), University of British Columbia (Drs. Matthew Mitchell and Tahia Devisscher) and Environment and Climate Change Canada (Dr. Barbara Frei). The overall project explores the relative contributions of private versus public lands to connectivity, biodiversity, and multiple climate-related ecosystem services across a range of urban densities and forms within and across Canadian cities (focusing on Vancouver, Montreal, and Quebec City).

The selected candidate will assess how land ownership and urban density interact to influence ecosystem multifunctionality within and across cities, drawing on biodiversity data in the three cities (collected via acoustic monitoring, field surveys, and community science), as well as urban ecosystem service modelling. This position is ideal for candidates interested in urban ecology, conservation, biodiversity, and social-ecological systems, with a strong quantitative background.

Location: the position will be based at Concordia University (Montreal, Quebec), but the candidate may choose to spend time in Montreal, Vancouver, or Quebec City. Possibility for remote work in other Canadian cities will be considered. The position will involve some travel between collaborating institutions to interact with team members.

Skills and experience

- A PhD in a related field (e.g., urban or landscape ecology, urban forestry, geography, biodiversity science, environmental sciences...)
- Strong quantitative and spatial analysis skills
- Experience with ecosystem service and/or biodiversity modelling
- Strong organization and synthesis skills
- Experience with team-based collaborations
- Strong oral and written communication in English
- An interest in mentoring junior team members
- Experience with acoustic data is an asset
- An understanding of urban ecology/urban ecosystems is an asset
- Bilingual FR/EN is an asset

Salary: A minimum salary of \$60,000 + benefits for 2 years. There is potential for supplementary funding or extension through collaborative fundraising. The candidate will be supported in applying for relevant external funding (e.g., NSERC, FRQNT).

To apply: If interested, please contact Carly Ziter (carly.ziter@concordia.ca). Candidates will be reviewed until position is filled. Please include as a single PDF attachment the following:

- Cover letter expressing your interest in working in this position
- CV
- Contact info for 2 references

We particularly encourage applications from members of marginalized or minority groups, including those based on sex, sexual orientation, gender identity or expression, racialization, Indigeneity, disability, political belief, religion, marital or family status or age.