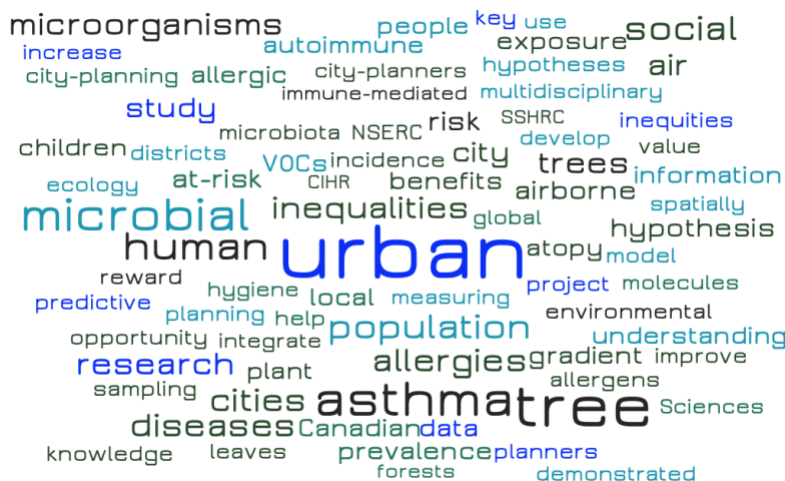


## PHD (2) AND POSTDOC (1) POSITIONS OFFERED

**People and trees: intimately connected by a shared microbiome in an urban world**



**AIM:** Identify the direct and indirect impacts of urban tree diversity on public health to help city-planners reduce the incidence of autoimmune diseases in at-risk populations.

Because this aim is considerable, we seek to constitute a team of members with complementary interests and skills. The specific tasks of each member will be determined at hiring.

**OBJECTIVES:** Over a gradient of social inequalities in two Canadian cities, we will: **(1)** compile tree diversity indicators using advanced ground-based and 3D remote sensing approaches; **(2)** identify and quantify airborne microorganisms, pollen, and volatile organic compounds (VOCs) emitted by urban trees; **(3)** measure relationships between tree diversity, microbial diversity, pollen, VOCs, and public health (i.e., prevalence of asthma and allergies). Finally, we will **(4)** disseminate our results through an application that will allow end-users to estimate the health value of city-planning scenarios at the neighborhood level.

**Prospective candidates should contact me with the following information:**

- Letter of interest\* (1 page)
- CV
- Unofficial transcripts
- Contact information of 3 references

*\*Please include in your letter of interest any career interruption or factor that may have influenced academic performance such as maternity leaves, family responsibilities, medical leaves, etc.*

**Review of applications will begin on September 1<sup>st</sup> 2021, and will continue until the positions are filled.** We will give priority to candidates at the PhD or postdoc level, but we will also consider potential MSc students. We encourage applications from women, racialized/visible minorities, Indigenous/Aboriginal peoples, persons with disabilities, and LGBTQ2+ persons. The positions are based at Université de Sherbrooke or at Université de Québec à Montréal; both francophone universities, but knowledge of French is not mandatory. Co-directions will be organized with our team members: Prs. [C. Girard](#) (UQAC), [C. Laprise](#) (UQAC), [C. Ziter](#) (Concordia), [F. Camirand Lemyre](#) (UdeS), [J. Houle](#) (UQÀM) et [S. Kembel](#) (UQÀM). Our team offers a work environment that is inclusive, respectful, healthy, and open to differences. The PhD scholarship will amount to 21,000\$/year for 4 years and the postdoctoral fellowship to 50,000\$/year for a first 1-year contract.

**Join a young, dynamic, and welcoming research group!**

**Pre. Isabelle Laforest-Lapointe**

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