

**Do you have an interest in urban forests? Work with us on assessing the impacts of large construction activities on ecophysiological functioning of city trees!**

**Project:** Anthropogenic and large-scale construction activities often significantly impact the health of urban trees. Specifically, the consequences of root damage during extensive construction activities can be twofold: loss of stability and disruption of tree ecophysiological functioning. In partnership with the City of Quebec, this project will build upon an established project in the summer of 2021, which involves trenching at different distances from the trunks of tree species commonly found in urban forests. We are looking to understand the short-term ecophysiological responses to anthropogenic stressors, and the impact of root-cutting on overall tree health.

**Supervision:** Janani Sivarajah and Ilga Porth (Department of Wood and Forest Sciences). This masters project will begin in the winter or summer of 2023. The project will be built under the Research Chair on Urban Trees and their Environment (CRAUM: <https://craum.ffgg.ulaval.ca/>) in collaboration with the City of Quebec.

**Conditions:** We offer a scholarship of \$19,000/year for 2 years. The candidate must possess a bachelor's degree in biology, forestry, or other relevant field (or be in the process of obtaining one). The student will be a member of the [Centre d'étude de la forêt](#) (CEF), a strategic forestry network in Quebec with over 300 graduate students. During the master's degree, the student will have ample opportunities to network and work closely with practitioners and government officials. The candidate will learn various field and laboratory techniques.

Autonomy, curiosity and scientific communication skills are all assets. Apply by March 31<sup>th</sup> 2023 (CV, transcript and list of 2 references with contact information). For more information, contact [sivajanani.sivarajah@sbf.ulaval.ca](mailto:sivajanani.sivarajah@sbf.ulaval.ca)



**Faculté de foresterie, de géographie et de géomatique**

Chaire de recherche sur l'arbre urbain et son milieu (CRAUM)