

JD student opportunity – Summer position in open science practices and innovation

The NSERC CREATE for BioZone is a training program in open science and industrial biotechnology to advance the circular bioeconomy. The circular bioeconomy is the intersection of the bioeconomy and the circular economy, where renewable resources are transformed into a cascade of products, with higher value products and their residues progressively recycled and transformed into new and valuable products. Developing Canada's circular bioeconomy is essential to facilitate sustainable development and growth for future generations. The NSERC CREATE for BioZone was launched in September 2019, and aims to strengthen alliances between engineering, business, and law to accelerate the translation of industrial biotechnology research and development to practice and societal benefit.

The funded summer project will investigate the potential of Open Science principles to increase the rate of biotech innovation. Open science can accelerate innovation and ensure potential benefits are widely distributed by putting ideas and data sets into the public and ensuring they are accessible by as many individuals as possible. The benefits of Open Science include accelerated scientific enquiry and discovery, more accurate verification of scientific results, and reduced duplication of scientific research. In particular, we seek JD students who are energized by interdisciplinary opportunities and motivated to evaluate alternative vehicles or paths to translate ideas into commercial technologies in the industrial biotech sector other than protecting early stage research with patents. As part of this evaluation, the JD student would investigate regulatory and policy instruments that impede or incentivise activity in the circular bioeconomy.

Candidates will work with the [BioZone research Centre](#), and team-up with engineering students supported through the NSERC CREATE program who are actively developing technologies to support Canada's transition to a sustainable economy. The summer project will culminate in a research paper or commentary on the likely impact of open science practices to adoption of industrial biotechnologies.

All interested candidates are asked to submit a cover letter with expression of interest, along with their CV, to Professor Emma Master (emma.master@utoronto.ca) and Maxwell Morgan (max.morgan@mail.utoronto.ca) **by March 31, 2020**.