

January 5th, 2022

Job posting: PhD Student in Civil Engineering

Dr. Stephanie Gora (Civil Engineering) and Dr. Sylvie Morin (Chemistry) at York University in Toronto, Canada, are seeking an ambitious PhD level graduate student to explore the use of UV and nanomaterial-driven processes to enhance resource recovery while enabling energy harvesting and water recycling in bioprocesses. The student will concurrently take part in the Training in Applied Biotechnology for Environmental Sustainability (TABES) Program.

Details:

Closing date: February 1, 2022

Start date: September 2022

Length: 4 years

Qualifications: The successful candidate will hold undergraduate and MASc degrees in chemical, materials, or civil engineering from an accredited university and have a passion for using technology and engineering principles to solve complex environmental problems. Previous experience in bioprocess research and/or nanomaterials synthesis and characterization would be considered a major asset in this position. To be considered for this position applicants must meet the department's GPA and English proficiency requirements (<https://lassonde.yorku.ca/civil/academics/graduate-studies/how-to-apply/>).

Funding: Graduate student funding details are available on the Civil Engineering Department's website (<https://lassonde.yorku.ca/civil/academics/graduate-studies/graduate-funding/>).

Training in Applied Biotechnology for Environmental Sustainability (TABES) Program:

The TABES training program is a targeted university-bioindustry alliance based on the "Integrated Circular Bioeconomy" concept, which marries valorization and environmental remediation to respond to existing and emerging human and environmental health challenges through a science-engineering interface. Participating students will acquire skills in microbiology, data science, process design and scale-up, software development, and intellectual property.

In addition to the requirements of the Civil Engineering Department's graduate program, the successful applicant must:

1. Complete all of the technical and professional courses of the TABES program (200 hours)
2. Complete a mandatory industrial internship with a collaborating industry partner for approximately 20% of the duration of the training (8 months)

Instructions:

Please email your cover letter (maximum one page), CV, recent transcript, and contact information for two references to Dr. Morin (smorin@yorku.ca) and Dr. Gora (stephanie.gora@lassonde.yorku.ca) by February 1, 2022 using the subject line "Application for TABES PhD Position". Interviews will take place in the first week of February. Only candidates selected for an interview will be contacted.

About York University:

Established in 2012, the Lassonde School of Engineering, York University offers a broad range of undergraduate and graduate programs to educate multidisciplinary problem solvers, critical thinkers, and entrepreneurs who understand creativity, communications, social responsibility, and cultural diversity. Further information is available at <http://lassonde.yorku.ca/>.

York is a leading international teaching and research university, and a driving force for positive change. Empowered by a welcoming and diverse community with a uniquely global perspective, we are preparing our students for their long-term careers and personal success. Together, we can make things right for our communities, our planet and our future.

Lassonde School of Engineering is committed to providing a welcoming and supportive environment for all who wish to study, teach and conduct research. York University is an Affirmative Action (AA) employer and strongly values diversity, including gender and sexual diversity, within its community. Applicants wishing to self-identify can do so in their cover letter.

York University and the Lassonde School of Engineering acknowledge the potential impact that career interruptions (e.g., maternity leave, leave due to illness, etc.) can have on a candidate's record of research achievement. Applicants are encouraged to explain in their application the impact that career interruptions may have had on their record of research achievement; this will be taken into careful consideration during the assessment process.