Research Associate (Limited Term)
Faculty / Division: Faculty of Applied Science and Engineering
Department: Chemical Engineering & Applied Chemistry
Campus: St. George (downtown Toronto)
Description:
Research Associate position in the area of metabolic engineering, systems microbiology, enzyme screening and engineering is available at the Department of Chemical Engineering and Applied Chemistry, University of Toronto. This position is a part of collaborative research project within BioZone at U Toronto.

Qualifications:
The position requires a PhD in Microbiology, Molecular Biology, Biochemistry with 2-3 years of experience in microbiology, analytical chemistry, biochemistry, biochemical engineering or related discipline. The initial appointment term is for a year with the possibility of longer term extension. University of Toronto is a highly competitive employer and compensation will be commensurate with experience of the candidate. Interested candidates should send their CV with at least two references

Requirements:
- Strong background in microbial fermentation and physiology
- Understanding of fermentation kinetics
- Strong knowledge of synthetic biology, molecular biology,
- Metabolic engineering of E. coli, S. cerevisiae, and non-conventional yeasts
- Experience working at different fermentation scales in lab (shake-flask to 100 L)

Duties:
- Conceive hypothesis, design experimental plans and conduct experiments and analyze and interpret data
- Review scientific literature, Execute research projects and report on their progress through oral and written reports and scientific journal articles
- Communicate effectively orally and in writing
- Present research at local, national and international meetings
- Interface with industry partners and vendors effectively
- Maintain strain and plasmid databases as appropriate
- Coordinate research projects and meetings as appropriate
- Responsible for calibration and routine maintenance of specific equipment and training other researchers and provide technical support for these equipment
- Responsible for developing written protocols and training researchers on the latest on molecular biology techniques including gene assembly, primer design, plasmid constructs, CRISPR based genetic engineering, and directed evolution
- Responsible for developing new techniques and methods and training other researchers in these techniques
- Assist the PI in preparing manuscripts and proposals.
- Perform other additional duties to enable the safe and efficient operation of the lab
Notes:
This is a 12-month term position with the possibility of renewal. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

Interested applicants may apply to: alison.lipton@utoronto.ca

Employee Group: Research Associate, Limited Term
Appointment Type: Grant - Term
Schedule: 100%
Pay Scale Group and Hiring Rate: R01 -- Research Associates (Limited Term): $42,264 - $79,245
Benefits: The successful candidate will be eligible to enroll in UofT competitive health-benefits packages which include medical, dental, vision, life insurance coverage. Eligibility to enroll in the Pension Plan.
Job Field: Research Associate (Limited Term)
Job Posting: March 2, 2021
Job Closing: April 1, 2021