

## **Post-doctoral and Research Associate Positions Available in the Department of Chemical Engineering and Applied Chemistry, University of Toronto**

Post-doctoral position in the area of metabolic engineering, systems microbiology, fermentation optimization, metabolic flux analysis, large-scale optimization of biological systems & networks and metabolic modeling is available at the Department of Chemical Engineering and Applied Chemistry, University of Toronto. This position is a part of collaborative research project.

### **Qualifications**

Candidates with experience in metabolic engineering, promoter engineering, pathway optimization involving non-natural enzymes, genetic engineering, metabolic modeling, flux analysis, optimization and biochemistry are encouraged to apply for this interdisciplinary project involving active collaboration with microbiologists, biochemists and engineers.

### **Preference given to candidates with experience with:**

- Yeast physiology (un-conventional yeast experience an asset)
- State-of-the-art genome editing methods
- High throughput gene assembly
- Microbiological methods
- Metabolic modelling
- Experience with strain/enzyme rational or random evolution principles is a plus
- Experience with building/designing bio-sensors

The position requires a Ph.D. in microbiology, molecular biology, biochemical engineering or related discipline. The initial appointment term is for a year with the possibility of longer term extension. Interested candidates should send their CV with at least two references to:

(Use Subject: Ref:MEPDF2017):

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