



Industrial  
Biocatalysis  
Network

**BioZone**

Centre for Applied Bioscience and Bioengineering

# Techno-economic Assessment Workshop

BioZone's NSERC Industrial Biocatalysis Network is hosting a workshop on techno-economic analysis.

Techno-economic analysis (TEA) integrates process design and economic analysis techniques to compare or study the commercial viability of production processes. Understanding how and when to use TEA techniques, and the associated uncertainties and limitations of the results, is key for engineers and researchers developing novel production methods and pathways.

Workshop topics will include:

- Process design fundamentals

  - Process components and scale-up considerations

  - Mass balance and energy requirements

  - Raw material and utility costs

  - Software tools for TEA

- Economic analysis tools

  - NPV analysis

  - Cost of capital

  - Cash conversion cost and margins and minimum selling price

- Process-linked economic analysis

  - Cap-Ex and Op-Ex

  - Monte Carlo uncertainty analysis

- TEA applications and use for directed process development

- Technology commercialization

**When: May 28 & 29, 2017**

**Where: University of Toronto**

**Cost: Free**

**\*\* Workshop is registered on the Co-Curricular Record**

**For more information and to register email [tedd.konya@utoronto.ca](mailto:tedd.konya@utoronto.ca)**