

Job Description:

Bio Processing Scientist/Engineer

Location - Sydney, Cape Breton, Nova Scotia

Duration – One-year contract with potential extension

Salary – Depending on experience

The Bioproducts research program at the Verschuren Centre is currently seeking a highly motivated and skilled Bio-Process Scientist/Engineer to work in our Pilot Facility including upstream and downstream operations.

Qualifications and Eligibility:

- MSc (3+ years experience) or PhD (1+ years) in bioprocess engineering/ biochemical engineering/chemical engineering/ or any relevant field of study from a recognized university. Combination of industrial experience an asset.
- Extensive knowledge of chemical engineering principles, biochemical processes including separation technologies, and microbial fermentation
- Experience in the use and operation of large-scale bioreactors, downstream processing equipment and other advanced instrumentation found in a bio-manufacturing setting
- Experience in different work stream of bio products in food and feed ingredients, personal care products, or biopolymers
- Ability to implement, and troubleshoot processes for industrial and applied applications.
- Working proficiency with Microsoft Office (Word, PowerPoint, Excel) and office 365 tools.
- Demonstrate ability to work independently, responsibly, manage time efficiently and ability to multitask.
- Good communication skills and proficiency in data management, collation and quality control.

Duties and Responsibilities:

- Setup and conduct fermentations and sample processing in a Pilot environment
- Equipment operation and maintenance of batch records for the client specific fermentation processes using bacterial and yeast systems
- Active participant in the execution of scale-up methodology for fermentation processes, including process design and optimization
- Collaborate with process technicians, and engineers as well as with client representatives for process design and execution
- Prepare process flow diagrams, standard operating procedures and other technical documentation as required

- Assist in pilot scale product recovery, filtration, and purification.
- Provide support of continuous maintenance of process equipment
- Ability to multi-task, work in flexible schedule, some physical demands, and meet time specific deadlines
- Work in a highly collaborative and multidisciplinary team. Maintain good working relationship with team members.
- Other duties as assigned

All interested and qualified candidates are asked to submit their resume and cover letter to info@verschurencentre.ca prior to July 19, 2021.