

Job Description – Data Lead

As the Data Lead, you will work to establish a pipeline for analyzing, visualizing, and communicating fermentation process data. This will both ensure that the product made at our demonstration scale facility meets all required specifications and be used to generate predictive models for process improvement. You will be responsible for working with operators, quality control/improvement, and leadership to understand input data types and structures, and meaningful outputs. You will have the opportunity to participate in product team meetings, to develop digital infrastructure within Phycus, and will be closely involved with the company's leadership. The ideal candidate is interested in a career with Phycus working to establish digital infrastructure for future products and processes.

ESSENTIAL FUNCTIONS

1. Work with fermentation operator(s) to prepare and run fermentation samples for analysis (HPLC, gas chromatography, etc.).
2. Establish a data pipeline for automated and dynamic analysis, visualization, and reporting of fermentation data. This will potentially include the development of new in-house tools or implementation of existing fermentation analysis tools.
3. Establish QC guidelines for fermentation runs. Report on these guidelines in a systematic way, and work with operators to ensure that QC guidelines are met. This will include working with stakeholders to develop SOPs which support meeting QC guidelines.
4. Work with leadership to establish QI strategies and timelines. Implement these strategies with operator(s) and report on implementation.

Experience: Experience with object-oriented programming essential. Candidates with data science backgrounds ideal

Education: PhD in related field (computer science, chemical engineering, bioprocess engineering, others acceptable)

Work status: Full time

Location: Sydney, Nova Scotia

Reporting: Direct to CEO

Compensation: Commensurate with experience

Start date: To be determined

Contact: Send CV and cover letter to verschurencentre@cbu.ca by **November 30th, 2020**

This is a leadership role with opportunity for continued and advancing involvement with Phycus Biotechnologies. Ideal candidates are interested in potential continued development within the organization.