

Job Description – Junior Process Engineer

Phycus seeks a Junior Process Engineer for our demonstration scale fermentation facility. In this position, you will use good manufacturing practices (GMP) to operate and improve all stages of the process from fermentation preparation to product separation. You will work with a small, dedicated team responsible for validating process performance by ensuring specific KPIs are met. Your involvement will help to enable us to deploy our technology at the commercial scale and as such you must have a mindset for continuous improvement and some understanding of process scaling. Ideal candidates are highly trainable, comfortable with process data analytics, and excited about working on the plant floor. Though this is junior role, you will be closely involved with the company's leadership and will be able to influence our direction. Your growth is our growth!

EXPERIENCE

Experience in process operation, especially involving fermentation (e.g. brewery experience) is desirable. However, no specific experience is required. Compensation will be commensurate with experience.

EDUCATION BACKGROUND

- BSc in Chemical Engineering
- Fermentation Technologist degree/diploma/certificate
- Chemical engineering technologist degree/diploma/certificate
- BSc in microbiology with fermentation experience

ESSENTIAL FUNCTIONS

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

1. Setup, operate, and monitor microbial fermentation processes from start to finish. Assist/coach other operators during operation.
2. Follow established processes and procedures to ensure consistency in operations and quality assurance standards, and to ensure that production demands are met.
3. Assist with routine laboratory analysis, including preparation of analytical samples
4. Set up, operate, maintain, and clean machinery including mixing equipment, pumping systems, separation equipment and laboratory analytical equipment.
5. Maintain a clean and safe work area. Address and, when necessary, report safety/cleanliness issues immediately.
6. Adjust and troubleshoot equipment as necessary to maintain and meet production requirements (i.e. pumps, valves, piping, etc.). Identify when equipment needs to be repaired and either perform repairs when reasonable or work with technicians to do so.
7. Measure and prepare raw materials to be used in production processes and batch materials into production vessels.
8. Understand differences between acceptable and unacceptable product and data quality. Regularly report fermentation data in a clear, concise, and meaningful way.

9. Work with others to investigate process non-conformance and identify manufacturing and quality deficiencies