

Job Title:	Fermentation Engineer	Job Category:	R&D Biology
Department/Group:	Microbiology / Fermentation	Salary Range:	\$100K - 120K / yr + share options
Location:	Louisville, CO	Travel Required:	Limited
Grade/Level:	Engineer I	Position Type:	Full Time

Summary

Crysalis Biosciences has an immediate opening for a fermentation engineer at our Louisville R&D site. This position will be responsible for helping build out the company's fermentation capabilities from the 500 ml scale to the 300 L scale. Additionally, this position will work closely with Senior Molecular Biologists overseeing strain construction efforts and Senior Chemical Engineers overseeing downstream processing to build complete end-to-end bio-product demonstration and execute piloting campaigns. The candidate will be responsible for developing fermentation protocols at scale using both anaerobic, microaerobic, and aerobic production hosts. Once protocols are developed, this position will help train manufacturing teams. Fermentation experience is desired for this position.

Please send a resume and cover letter to employment@crysalisbio.com to be considered.

Job Description

ROLE AND RESPONSIBILITIES

- Function as a key contributor on new customer funded projects and initiatives.
- Help build / change corporate culture that represents Crysalis' core value at grass-root level.
- Develop robust fermentation protocols using anaerobic, microaerobic, and aerobic production hosts
- Development and execution of experimental fermentation optimization campaigns and demonstrations up to 300 L in scale.
- Mentor R&D, Quality, and Engineering staff on quality by design, and productivity improvements.
- Work closely with the downstream processing team to produce minimum viable products for clients
- Work with CTO to understand cost models of new and existing projects.
- Interact with customers on new product scale ups, and existing product complaints.
- Prepare and submit investment requests for new R&D capabilities in Fermentation
- Assist in project strategy development and review.
- Setup and operation of fermentation bioreactors
- Strong scientific writing skills
- Knowledge of molecular cloning and associated techniques including PCR, plasmid design, DNA isolation and editing, and genetic transformation
- Proficiency with HPLC and GC analysis methods

ORGANIZATIONAL RELATIONSHIPS

- Reports directly to the organization's CTO and CEO

QUALIFICATIONS AND EDUCATION REQUIREMENTS

- B.Sc., M.Sc., or Ph.D. in microbiology, bioengineering, or related field.
- 1-2+ years in applied fermentation in the food, pharmaceutical, or biofuel industry required

PREFERRED SKILLS

- Good communication skills and the ability to work well with people at all levels, educational backgrounds, etc. essential.
- Strong organizational skills required.
- Strong technical background and ability to troubleshoot and solve complex problems.
- Strong desire to learn new skills in large scale fermentation and biological manufacturing

ADDITIONAL NOTES

- Company health insurance plan is provided