



Gevo, Inc. is a high energy, team-oriented company that is pioneering the advanced green energy industry. We are looking for a **Fermentation Microbiologist**, based in Englewood, Colorado. This position will work with the Biocatalyst Development team to quantitatively characterize new strains and to develop strains to meet biocatalyst performance targets. This position will also develop and implement high throughput fermentation systems for biocatalyst screening, biocatalyst development, and commercial medium development.

Requirements include:

- Requires a M.S. or Ph.D. in Microbiology, Chemical Engineering or Biochemical Engineering, Industrial Microbiology or related discipline. M.S. candidates are required to have a minimum of 1-2 years of industrial or professional (not academic) experience solving industrial problems.
- Experience in collecting and analyzing data from laboratory operations (including carbon and other mass balances) to provide direction for optimal strain and process development.
- Experience in designing, performing, and analyzing data from fermentations at the bench scale and preferably in high-throughput systems.
- Broad technical knowledge in the area of microbial fermentation and microbiology.
- Specialized knowledge includes aseptic technique, microbial physiology and biochemistry, fermentation principles and operation, basic PC skills, culture maintenance.
- Excellent communication and good interpersonal/teamwork skills are required.
- Statistical experimental design, literature search and comprehension of the technical literature identified.
- Develops basic understanding of the content of internal/external information resources, including the ability to evaluate, filter and use the information to address work issues. This includes review of technical literature for new project ideas as well as improving current projects.
- Asks probing questions and clarification questions to ensure understanding.
- Helps others to be successful by proactively sharing personal knowledge with them.
- Proven self-starter; must be able to work independently with minimal supervision.

Responsibilities include:

- Conduct experiments using chemostats or continuous fermentation equipment.
- Analyze and characterize biocatalyst strains for desired properties.
- Using a strong quantitative analysis, provide insight to experimental plans and findings in key projects.
- Specify and install laboratory fermentation equipment for strain characterization/improvement.
- Develop and/or implement high throughput fermentation systems for biocatalyst screening and biocatalyst development.
- Work with peers and management to define pertinent experiments, develop protocols, collect and analyze resultant data within agreed time lines.
- Set up, execute, and document fermentation experiments.
- Collect, process, and organize data and report results.
- Work with analytical chemists to identify and develop analytical protocols; reviews data for anomalies that may affect results; ensure that analytical information is valid and useful. Perform routine analytical techniques without supervision.
- Utilize experience and observations to capture knowledge from experiments and communicate the knowledge to supervisor and colleagues. Communicate technical results in written and oral format and actively participate in regular technical review meetings to critically evaluate project progress and alternative approaches.

- Routine maintenance and troubleshooting of lab instrumentation.
- Conduct troubleshooting experiments, assist with training new employees, order and audit supplies for own projects and for the team.
- Search for ways to continuously improve techniques and procedures.
- Contribute to focused and productive research as a member of an interdisciplinary development team including Engineers, Chemists, Microbiologists, and/or Biochemists.
- Make progress on multiple projects simultaneously. Demonstrate ability to adapt to a constantly changing environment.
- Participate with legal counsel to protect and enrich the intellectual property portfolio of the project(s). Identify through careful, thoughtful, and thorough research, ways to increase value to the IP portfolio.
- Independently applies a wide variety of scientific principles and concepts to potential inventions, products and problems. Maintains broad knowledge of state-of-the-art principles and theories. Serves as in-house and outside representative.

Gevo offers a competitive compensation package. If interested, please submit a letter of interest, resume and salary requirements to careers@gevo.com or fax to 303-379-6630.

Principals only – no agency submissions accepted. No phone calls please.

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