



Gevo, Inc. is a high energy, team-oriented company that is pioneering the advanced green energy industry. We are looking for a term (up to one year) **Microbiologist**, based in Englewood, Colorado. This position will work with the Biocatalyst Development team to quantitatively characterize and iteratively improve new biocatalysts and to develop biocatalysts to meet performance targets. This position will also develop and/or implement high throughput fermentation systems for biocatalyst screening and biocatalyst development. This position is considered a term position for up to one year.

Requirements include:

- Masters or PhD in Microbiology, Chemical Engineering or Biochemical Engineering, Industrial Microbiology or related discipline or equivalent education and/or experience.
 - 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 skills and comprehension of the technical literature identified.
- Proven self-starter; must be able to work independently with minimal supervision.

Responsibilities include:

- Strong attention to detail in all work product(s).
- Develop screening and selection approaches to improve desired properties of biocatalysts.
- Conduct experiments using mutagenesis and screening and/or selection to improve biocatalyst properties.
- Analyze and characterize biocatalyst strains for desired properties.
- Develop and/or implement high throughput fermentation systems for biocatalyst screening and biocatalyst development.
- Using a strong quantitative analysis, provide insight into experimental plans and findings in key projects.
- Work with peers and management to define pertinent experiments, develop protocols, collect and analyze resultant data within agreed time lines.
- Set up, execute, and thoroughly document (in a technical notebook) experiments.
- Collect, process, and organize data and report results, both in writing (technical reports) and orally (meetings).
- Work with analytical chemists to identify and develop analytical protocols; review 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. No relocation is available for these positions.

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