



Gevo, Inc. is an exciting, team-oriented company that is pioneering the advanced green energy industry. We are looking for a **Fermentation Research Scientist**, based in Englewood, Colorado. The Fermentation Research Scientist will support activities within the fermentation and process development areas. The Fermentation Research Scientist will prepare media, set up, operate, clean and maintain fermentation and recovery equipment at the bench and pilot plant scale, collect and record experiment samples, perform sample assays, perform data analysis and reporting, and maintain supply stocks. The individual will may be required to work shifts with evening hours as experiments dictate. Individual will also be required to work periodically at a commercial plant location outside of Colorado.

Requirements include:

- A Masters level degree in microbiology or biological sciences or a Bachelors degree with 3 to 5 years experience in microbiology specifically related to industrial fermentation processes.
- Demonstrated mechanical ability to maintain, troubleshoot, and repair laboratory equipment.
- Attention to detail.
- Ability to develop, set up, execute, and interpret experimental data.
- Demonstrated ability to quickly learn, apply new concepts and techniques, and perform quality control of data generated.
- The candidate for this position must be a clear communicator, able to work and think independently, be a team player and willing to work overtime on occasion.
- Flexible work hours and travel (~10% time annually) are required for this position.
- Excellent communication and interpersonal skills are required.

Responsibilities include:

- Accurately and precisely preparing and analyzing samples in complex matrices for GC, LC and IC.
- Specialized knowledge includes aseptic technique, operation of bench fermenters, use of laminar flow hoods, use of autoclaves, serial dilutions, streak plates, membrane filter plating, light microscopy, cell counting by hemocytometer, gram staining, and cell culture maintenance.
- Experience in designing, performing, and analyzing data from fermentations at the bench scale in shake flasks or fermenters.
- Equipment and glassware cleaning, assembly and sterilization of laboratory equipment.
- Medium preparation, filtration and/or in situ sterilization.
- Operation of bench and pilot plant fermentation and/or shake flask and supporting equipment systems.
- Equipment maintenance and troubleshooting.
- Execution of experiment and sampling protocols; provide feedback and improve experiment and sampling protocols while using.
- Perform basic fermentation assays, including YSI sugar measurements, micropipetting, dilutions, cell counts, sample preparation for GC, LC, or IC, accurate volumetric and gravimetric measurements.
- Able to identify errors or areas for improvement, provide recommendations and follow through tasks to completion.
- Perform quality statistical analysis of experimental results and routinely monitoring accuracy and precision of data collected
- Able to prepare and deliver information in a concise, accurate and professionally written format.
- Write, improve, and maintain Standard Operation Procedures.
- Document experimental runs by maintaining accurate and thorough lab notebook and electronic documentation
- Write technical reports to communicate results within team and across departments.

- Respects fellow teammates and works well across teams to accomplish team goals.
- Collaborate with Analytical Chemists for HPLC and GC sample prep, analysis, and data reporting.
- Experienced with Microsoft Office products (proficiency with Excel in particular), Data Acquisition/Data Analysis Software and/or with database software;
- Required to work morning or evening hours and an occasional weekend as required for experiments.
- Able to lift 15 – 40 pounds.

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. Please no phone calls or agency submissions.

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