



Job Description: Process Development Scientist

MicroSintesis is a rapidly growing animal health science company focused on creating novel health solutions from the microbiome. By harnessing the natural defense mechanisms of probiotics, MicroSintesis is on the forefront of new bio-technologies that fight antibiotic resistant bacteria and reduce the virulence of pathogens.

We have harnessed specific probiotic metabolites that are part of the microbiome's own communication system. With them, we shift microbiome populations, reduce pathogenic bacteria virulence and strengthen the microbiome barrier so that the microbiome can heal itself. Since 2014, we have built a pipeline of next generation animal microbiome products that optimize health and maximize performance. We are now ready to launch those products internationally.

MicroSintesis is seeking a Process Development Scientist. This person will be directly responsible for developing the fermentation and bioprocesses to scale up production of current and new bacteria strains and their bioactive metabolites. This is a full-time, permanent position.

In process development, you will be responsible for:

Process Development:

- Defining and executing process optimization experiments and assisting in the preparation of research plans
- Development and optimization of fermentation and downstream processes at pilot scale. This will include making changes to raw materials or components, assisting in the selection of new strains for process scale up and adjusting process parameters to ensure yields are achieved and quality is maintained during small and larger-scale testing
- Identify process bottlenecks and finding and implementing solutions
- Devising and performing in processes testing to assess the production process during growth, dsp and harvest
- Validating final processes, demonstrating efficacy and technical transfer of the process for larger scale production.
- Assisting in the development of final formulations, setting product specifications and label declarations, and ensure compliance with the finished product specifications

Site management

- Development and implementation of Quality Control standards, batch production records, cGMP protocols, work instructions and experimental work progress reports
- Selection and installation of equipment to create of the pilot plant
- Identification and oversight of contractors/consultant
- Management of a team of technicians when applicable
- Advise on equipment modification to enable process changes
- Maintenance of finance budgets and product costings
- Keep management apprised of your projects and report through technical reports and presentations
- Ensuring the Company complies with all regulatory guidelines

Requirements

- Minimum College degree in Biotechnology (preferred master's degree in biotechnology/Fermentation technology)
- 5-7 years relevant experience in probiotic/pharmaceutical/biotechnology research and bioprocess development essential
- Experience handling bioreactors
- Knowledge of regulations and laws governing the registration of products and the operation of a GMP manufacturing facility
- Strong aseptic handling techniques, sampling and analytical techniques
- Excellent organizational skills
- Valid Driver's License

Our core values:

1. Human potential is nearly limitless.
2. It doesn't matter who you are today. It only matters who you want to become and how hard you are willing to work to be that person.
3. Anyone can come up with a good idea and make a real difference.
4. Strength comes from cultural, racial, religious and gender diverse teams
5. Work hard, play hard.
6. We will always be a start-up at heart.
7. Every member of the MicroSintesis team wants to build a better future by working together, being real, being accountable and being committed.
8. Purpose will help you keep fighting when things get difficult.
9. Only work for MicroSintesis if we are serving **your** goals and objectives
10. Every member of the MicroSintesis team will need to work hard, smart and probably long hours to achieve our Purpose and Vision. (see #9)
11. Mistakes happen. Own up, learn from them and move on.
12. Run it like you own it.

MicroSintesis is a rapidly growing organization in the live science and health field. Our ability to succeed depends on the integrity, knowledge, ingenuity, and hard work of each of our team members. We strive to create an environment of mutual respect in which members have the freedom to operate and make decisions independently. As part of our team, you will have the opportunity to collaborate with talented and dedicated colleagues who are all committed to the dynamic culture of a biotech start-up.

MicroSintesis is an equal opportunity employer. We believe our strength comes from our cultural, ethnic and gender diverse teams.

To apply: MicroSintesis offers a competitive salary and benefits package. To apply, please send a CV and Cover Letter to info@microsintesis.com with the subject line "Process Development Scientist." Only candidates selected for an interview will be contacted.