

JOB TITLE: FERMENTATION SPECIALIST

List Lab's mission is to "harness bacteria's potential for a healthier world." We are a premier contract development and manufacturing organization for bacterial derived products for early clinical trials including live biotherapeutic products derived from the rapidly growing microbiome field. Live biotherapeutic products, an exciting new therapeutic, are a novel approach to disease treatment and have significant potential to improve patient lives. List Labs also specializes in the production of both native and recombinant bacterial proteins and toxins used for research and development.

List Labs offers a dynamic and congenial company environment and the convenience of working in the South Bay Area.

We are seeking a full time Fermentation Specialist. The ideal candidate for this position should have a background in bioprocess or chemical engineering, microbiology, biotechnology or biology. The candidate will be trained to support the fermentation team. Work will include bacterial strain preservations and fermentations for the manufacture of bacterial toxins, research reagents and live biotherapeutics, as well as cGMP fermentations. Fermentation scales include 1L to our new 500L single use bioreactor. He/She will be self-motivated, enthusiastic, able to learn quickly and work and communicate effectively with others. The candidate will work closely with other scientists in the microbiology, QA/QC and production teams.

ESSENTIAL DUTIES AND RESPONSIBILITIES

- Small and large-scale cultivation of aerobic and anaerobic organisms using aseptic techniques
- Contribute to optimization of fermentation processes
- Knowledge and ability to scale-up/scale-down fermentations
- Preservation of microorganisms including cryopreservation and lyophilization
- Support cGMP production, harvest, fill and finish of microbial products
- Tangential-flow filtration for concentrating and diafiltering
- Media and solution preparation
- Operation and maintenance of standard laboratory instruments
- Troubleshoot equipment and manufacturing processes
- Follow, review, author and document standard operation procedures
- Support safety and security

QUALIFICATION AND EXPERIENCE

- Bachelor's Degree in Biochemical Engineering, Microbiology, Biology, Biotechnology or related field with 3+ years experience in a pharmaceutical or biotechnology setting; or Master's Degree in Biochemical Engineering, Microbiology, Biology, Biotechnology or related field with experience in a pharmaceutical or biotechnology setting is preferred

KNOWLEDGE, SKILLS AND ABILITIES

- Experience with a variety of microbes, fermentation processes, and product types
- Strong understanding of the connection between microbial physiology and process performance
- Working knowledge of routine microbiological methods and aseptic technique
- Proficiency with GLP and cGMP procedures (a plus)
- Excellent interpersonal and communication (both oral and written) skills
- Ability to work effectively both independently and as part of a multi-disciplinary team
- Willing to work with a flexible schedule and extended hours when needed
- Self-motivated; energetic individual demonstrating personal initiative
- Strong analytical and organizational skills, and a can-do attitude
- Attention to detail, safety and good laboratory practice

Work Environment, Safety, and Physical Requirements:

List Biological Laboratories is committed to the health and safety of our employees. We expect that all employees will perform their responsibilities while maintaining a safe, secure, cooperative and productive work environment. While performing the duties of this position, the candidate must:

- Have the physical ability to lift and carry product/equipment weighing up to 50 pounds
- Be able to wear appropriate personal protective equipment (PPE), including powered air purifying respirators (PAPRs)
- Keep current on appropriate vaccinations (e.g. tetanus, diphtheria and pertussis [Tdap])
- Be comfortable handling BSL1, BSL2 and BSL3 organisms with appropriate safety precautions
- Must be able to acquire security background clearance from FBI and CDC

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