

## **Jecho Laboratories Job Opportunity (please submit resume to [hr@jecholabs.com](mailto:hr@jecholabs.com))**

**TITLE:** Process Development Scientist- Downstream

**LOCATION:** Frederick, MD

**REQ#:** 22-001

**Overview:** Jecho Laboratories, Inc. (Jecho) is a biopharmaceutical company developing bio-similar, innovative therapeutic biologics, including therapeutic monoclonal antibodies, cytokines, immunotoxins, and vaccines to address a broad range of diseases as well as treatment of cancer and infectious disease. The company headquarter is located in Frederick Maryland, USA.

We are seeking a Process Development Scientist to join our R&D team in Frederick, MD. Qualified individuals will execute small-scale downstream process development and analytical studies. The ideal candidate will exercise appropriate technical judgment in the design, execution, and interpretation of experiments. The candidate will receive general instructions from a supervisor for routine work and assignments. The candidate is expected to be eager to learn, highly productive, well organized, and self-motivated.

### **Essential Job Functions:**

- Design and conduct experiments in protein and DNA/RNA therapeutics recovery and purification process development, and formulation development with an interdisciplinary approach spanning molecular and protein biology, protein and biomolecule separation, chemical and biochemical engineering, etc.
- Perform column chromatography and various other routine physical and biochemical analysis on biological products, such as HPLC, SDS-PAGE, Western Blot, UF/DF, ELISA.
- Perform small-scale *E. coli* fermentation or mammalian cell bioreactor to generate protein materials for evaluation and characterization.
- Design and optimize protein recovery strategies from *E. coli* or mammalian cell culture.
- Design and optimize product purification process, perform experiments for product expression, purification, and analyses.
- Design and perform protein stability analyses via protein size, conformation, homogeneity, and/or potency analyses.
- Optimize protein formulation and/or storage conditions to improve protein stability.
- Work with Discovery, Upstream Process Development, and Analytical Development to provide support in material generation, design evaluation, cell line selection, product characterization and analyses.
- Generate and maintain experimental data in a highly organized manner. Prepare technical reports and present data and analyses to senior scientists and management.
- Perform and support technology transfer activities, and report project status to senior scientists and management.
- Train and supervise junior associates to build technical capabilities and improve work efficiency.

### **Minimum Requirements:**

- A Ph.D. degree in biological or pharmaceutical science, biochemistry, bioengineering, or related fields.
- 0-3 years' experience of post-doctoral training or in pharmaceutical or biotechnology industry.
- A good understanding of recombinant protein structure and purification mechanisms.
- Extensive hands-on experience with protein recovery and purification and analytical methods.

- Exhibited ability to propose, design, execute experiments and deliver a project in a timely manner with high quality.
- Basic computer software skills in Excel, Word, and PowerPoint.
- Ability to work effectively in a team. Motivated and willing to work on a variety of tasks.
- Hands-on experience with protein engineering, cell culture/fermentation, drug formulation, DOE software is a plus.
- Experience working with DNA and/or RNA extraction, purification, and the related process is a strong plus.

**Compensation:**

- Jecho offers a competitive salary and excellent benefits package, including health insurance, dental/vision insurance, short-term and long-term disability insurance, and 401(k) retirement plan.

**Disclaimer:**

- Jecho Labs is an equal opportunity employer. We celebrate diversity and are committed to creating an inclusive environment for all employees.
- This job description may not be inclusive of all assigned duties, responsibilities, or aspects of the job described, and the employee may be required to perform additional functions.
- The job description is subject to change by the employer as the organizational needs and requirements of the job change.

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