



JOB DESCRIPTION

Job Title: Associate Scientist/Scientist

Reports to (Title): Principal Scientist of Product R&D

Employment Type: Full-time, on site

Location: Philadelphia, PA

About BlueWhale Bio

BlueWhale is a startup biotechnology company committed to expediting the expansion and acceptance of cell-based therapies. Given the overwhelming demand for cell therapy products that outstrip the available supply, BlueWhale Bio is addressing crucial deficiencies within the existing manufacturing framework.

BlueWhale Bio's founding scientific team is led by Dr. Carl June and Dr. James Riley (University of Pennsylvania). Our team of scientists draws from a wealth of expertise, and it is developing an innovative platform and groundbreaking product portfolio to address critical shortcomings in the current process of cell therapies. Our technology holds the promise of bringing the full benefits of cell therapy to a broader spectrum of patients, doing so more rapidly and at a reduced cost.

About The Role

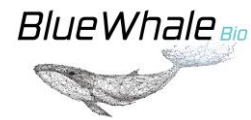
We are seeking a motivated associate scientist/scientist with strong lab experience to join BlueWhale Bio's Product R&D team. Reporting to the principal scientist, you will independently perform cell-based and immuno-assays to support research in new product discovery and candidate optimization.

As part of BlueWhale Bio's R&D team, you will contribute to IND-enabling studies and routinely conduct key potency, cell culture, and phenotyping assays to advance candidates toward clinical development.

This role requires attention to detail, a solid background in cell biology and cell therapy, and the ability to work collaboratively. If you're passionate about advancing bio-products through rigorous scientific work, join us at BlueWhale Bio.

Key Responsibilities

- Performing primary cell and cell line culture, maintenance, counting, and cryopreservation
- Isolating PBMC, T cells, and NK cells from PBMC or blood



- Implementing assays designed to characterize immune cell phenotype and function including but not limited to flow cytometry, cytotoxicity assay, and ELISA assay
- Assisting with and performing other experiments as required.
- Maintaining a high level of accuracy and detail in electronic laboratory notebook (ELN) and analyzing data in a timely manner
- Preparing reagents and materials, and monitoring and maintaining appropriate stock levels (inventory)
- Conducting routine lab duties as assigned

Education & Experience

- PhD or MS in Cell Biology or related field with 1-2 years of relevant experience, or BS in Cell Biology with 3-5 years of relevant experience

Technical Expertise

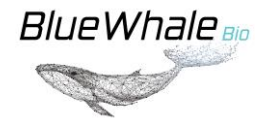
- Demonstrated hands-on experience with aseptic cell handling and cell culture techniques, following best practices to ensure reproducibility and cell health.
- Proven skills in culturing primary T cells, NK cells, and tumor cells, with expertise in performing cell-based assays such as cytotoxicity, proliferation, and cytokine release assays.
- Flow Cytometry Proficiency: Proficient in running, troubleshooting, and interpreting flow cytometry experiments; ability to analyze data and apply findings to experimental design.

Analytical & Problem-Solving Skills

- Basic knowledge of statistics and design of experiments (DOE); familiarity with data analysis tools (e.g., Prism, R) is preferred.
- Demonstrated ability to learn new techniques quickly and efficiently, with a proactive approach to mastering emerging tools and methodologies.
- An innovative mindset with strong problem-solving abilities and enthusiasm for exploring novel solutions and techniques.

Organizational Skills

- Outstanding organization skills and ability to manage multiple projects simultaneously in a dynamic, fast-paced environment.
- Flexibility to pivot between tasks and priorities as project demands evolve.
- Excellent communication and interpersonal skills, with experience in presenting data, collaborating across teams, and documenting findings thoroughly.



Join our Team

BlueWhale Bio is an equal opportunity employer. We offer an inspiring and innovative environment for talented professionals to contribute to groundbreaking research and advancements in the biotech industry. If you have a strong background in Analytical Development and a desire to make a significant impact, we invite you to apply for the role of Associate Scientist. Join us as we shape the future of cell therapy and improve human lives through scientific excellence.

Contact us: careers@bluewhale.bio