



## JOB DESCRIPTION

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**Job Title:** Associate Scientist

**Reports to (Title):** Director of Analytical Development

**Employment Type:** Full-time, on site

**Location:** Philadelphia, PA

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### 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 an exceptionally driven Associate Scientist with extensive laboratory experience to join our Analytical Development (AD) team at BlueWhale Bio. As a key contributor to our dynamic AD team, you will independently execute a breadth of cell-based and immuno-assays.

Within the framework of BlueWhale Bio's overall process and product development, the AD team plays an integral role in unraveling the connections between manufacturing processes, product quality, and product functionality. The successful candidate will support IND-enabling studies, and routinely execute essential technical potency, characterization, and safety studies, thus propelling candidates towards clinical advancement.

In this essential role, the candidate will be required to pay attention to detail, robust scientific background in particle-based modalities and cell therapy, and the ability to contribute to our collaborative culture. The successful candidate will have the opportunity to learn and grow the analytical operation from the ground up. The candidate will collaborate closely with the Research & Development (R&D) and Process Development teams, contributing to a synergistic and collaborative work environment. If you are passionate about making significant contributions to the advancement of innovative bio-products and possess the expertise to conduct technical assays, we invite you to be part of our dynamic team at BlueWhale Bio.



## **Key Responsibilities**

- Execute laboratory protocols for characterization of common cells used for cell therapy (T cells, NK cells) such as cell culture, immunoassays, potency assays, cell killing assays, flow cytometry, WB, ELISA
- Conducts and analyze data for RNA and DNA quantification
- Support method development, qualification, and tech transfer activities
- Writes protocols, reports, and coordinate testing to support process development
- Maintains electronic laboratory notebooks in a cGMP compliant manner
- Troubleshoots assays with general guidance
- Prepares reagents and materials and monitors and maintains appropriate stock levels (inventory)
- Effectively collects and communicates data to the team or in cross-functional meetings
- Assists in routine laboratory tasks such as ordering, inventory, and cleaning

## **Basic Qualification**

- Associate Scientist: BSc (with 2-4 years) or MSc (with 0-2 years) in Cell Biology/Oncology/Immunology or related field, with experience in assay development
- A mix of multidisciplinary training/expertise in cellular biology, immuno-oncology as well as integrative data analysis
- Significant experience in DoE such as experience with determination of assay specificity, accuracy, precision, linearity, range, reproducibility, and robustness
- Significant experience with cGxP compliance
- Cellular biology skills: particle isolation and characterization; cell cultures of human primary cells and tumor cell lines
- Molecular biology and immunology skills: Nucleic acid extraction, ELISA, WB, MSD, Flow cytometry, ddPCR, qPCR
- Cell-based assay and immune-assay experience
- Ability to communicate with team members from different backgrounds with excellent interpersonal skills
- Ability to deliver high quality data in a timely fashion and strong organizational skills
- Ability to work in a fast-paced environment

## **Preferred Qualifications:**

- Previous relevant experience in a biopharmaceutical industry environment
- 2 years of experience with flow cytometry (Agilent NovoCyte Quanteon)
- Strong strategic thinking and problem-solving skills



- Strong experience with development, optimization, and qualification of analytical methods in cell therapy

### **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](mailto:careers@bluewhale.bio)