Analytical Development Scientist

Cell Therapy, Computational biology, Molecular and Cell Biology Potency Assays
Location: Worcester, Boston areas

We are seeking a highly motivated Analytical Development Scientist, Cell Therapy to join our Analytical Development team. The successful candidate will have a background in computational biology, molecular and cell biology, and will be a part of our analytical development group focusing on design and development of molecular and cell-based methods for the characterization of cellular therapeutics before and post treatment to support process development, manufacturing, correlative sciences and clinical development of drug products at all stages.

Responsibilities:

- Apply expertise in computational biology, cell biology or molecular biology to analytical design and development, establish new analytical tools for product characterization, product release and clinical assay data analysis.
- Lead analytical data analysis for technology transfer and support analytical method qualification and validation.
- Lead clinical assay development, assay validation and clinical correlative data analysis.
- Support process development for the design and development of new cell and gene therapy products.
- Support clinical manufacturing for product characterization.
- Author and review technical documents such as methods, qualification/validation protocols and reports.
- Serve as analytical subject matter expert to solve technical challenges and support laboratory investigations.

Qualifications:

1. BS with 5-10 years, MS with 3-5 years relevant experience, or PhD in computational biology, molecular biology, immunology, biochemistry, cellular biology, pharmaceutical sciences or a closely related field.
2. Extensive knowledge and hands-on experience in the following areas:

    - Strong knowledge in statistics and languages (e.g., R, Matlab, Python).
    - Experience in bioinformatic analysis. Data analysis for next generation sequencing is preferred.
    - Experience with PCR, qPCR, immune cell subsets data analysis is desired
    - Experience with cell functional characterization data analysis is prefered.
    - Critical thinking, scientific reasoning and problem-solving skills required.
    - Knowledge of cGMP pertaining to the pharmaceutical and biological industries is a plus.