



Position: Senior Analytical Development Scientist - Cell Therapy, Cell-based Potency Assays

Location: Worcester, Boston area

Reporting to: Director, Analytical Development

Overview:

We are seeking a highly motivated Senior Scientist to join the Analytical Development team. The Analytical Development team is responsible for method development to characterize viral vector and cell therapy products and to assess quality attributes. This position will serve as an integral part of a multidisciplinary team to develop cell-based potency assays to support process development, lot release and characterization. The candidate must be independent, goal oriented, and able to efficiently work across multiple projects.

Responsibilities:

- Lead cell-based potency assay group to develop and qualify analytical methods for release and characterize cell therapy products
- Lead analytical methods transfer in working with quality department
- Provide technical support to project teams within area of expertise and commit resources to execute specific project tasks
- Evaluate novel assay technologies and methodologies to improve existing analytical methods
- Understand project timelines and deliverables and work closely with departmental, functional, and external stakeholders
- Maintain clear and complete experimental records; present findings within department and cross functionally as necessary
- Author, review and approve documentations, including SOP and reports

Qualifications:

- Degree in immunology, cellular / molecular biology, pharmaceutical sciences or a closely related field with minimum 8-10 years for BS, 5-8 years for MS or 2-5 years for PhD of relevant industry experience
- Extensive experience in developing cell-based potency assays, including mechanism of action (MOA) based potency assays for biologics, gene and/or cell therapy
- Experience with primary cell culture and cell functional characterization assays including cell apoptosis, cell proliferation and cytokine measurements
- Experience in various analytical detections, including but not limited to qPCR/ddPCR, ELISA, luminance and fluorescence is preferred
- Passionate about working at the bench to independently troubleshoot experiments and contribute to research directions
- Excellent laboratory, computer, documentation, and organization skills
- Fast learner with strong scientific curiosity, good interpersonal skills, and attention to detail