

## Sr. Expert Science & Technology, Product Sciences - Cell Therapy Analytical Development

Job ID  
REQ-10048668

4月 25, 2025

USA

### 摘要

Internal Title: Senior Expert Science & Technology

Location: East Hanover, NJ, United States (On-Site)

This position will be located at East Hanover site and will not have the ability to be located remotely.

We are seeking a highly skilled and driven Senior Expert in Product Sciences to join our team in advancing transformative cell therapy products. Reporting to the Director of Product Sciences, this role focuses on driving product characterization efforts, incorporating immunological principles, and developing innovative scientific approaches to solve complex challenges in the cell therapy space. As a senior bench scientist, you will leverage your expertise in immunology, cell biology, and advanced analytical methods to generate actionable product insights and support the development of safe and efficacious cell therapy products that meet our target profiles. This role requires hands-on work in a fast-paced environment, applying scientific rigor and industry knowledge to enable data-driven decision-making.

## About the Role

### Key Responsibilities:

- Develop and refine advanced product characterization methods to assess quality attributes of cell therapy products, intermediates and starting material.
- Design and execute innovative assays to assess T cell function, lineage, cytokine production, proliferation, cytotoxicity, memory composition, differentiation, exhaustion, metabolic profiling, and omics profiling. Qualify appropriate assay parameters to ensure characterization assays are fit for purpose.
- Apply critical thinking skills to identify the right scientific questions aligned with product development goals. Independently design and execute experiments to address foundational and applied questions, leveraging immunological principles and cell therapy expertise.
- Ensure effective data collection, management, and analysis to drive data-driven decision-making processes. Support regulatory filing by providing high-quality data, technical reports, and scientific rationale.
- Collaborate with teams across Analytical Development, Process Development, Regulatory CMC, Biostatistics and Data Sciences to drive cell therapy programs forward.
- Share scientific knowledge and assay development expertise to inform decisions on attribute criticality, specification setting, and control strategies.
- Stay up to date on advances within immunology, cell therapy sciences, and analytical technologies.
- Work proactively (i.e. using statistical methodologies) to address challenges in manufacturing success and clinical outcomes through product and process understanding.

### Requirements:

- Ph.D. in Immunology, Cell Biology, or a relevant field strongly preferred. Master ' s degree with significant industry experience in cell therapy product characterization may be considered.
- A minimum of 5 years of post-educational, hands-on experience in developing T-cell characterization assays.
- Demonstrated track record of bench-level assay development and product characterization in T cell-based therapies or similar therapeutic modalities.
- Deep knowledge of T cell biology and immunology. Familiarity with advanced analytical techniques such as flow cytometry, cell-based assays, ELISA, q/dPCR, Omics, imaging cytometry, and multiplex technologies.
- Strong problem solving and trouble shooting skills in a dynamic and fast-paced environment.
- Exceptional communications, scientific writing, and presentation skills.

### Desirable Requirements:

- Practical experience in statistics
- Experience contributing to regulatory filings (IND, BLA) with data packages related to cell therapy product characterization.

**Novartis Compensation and Benefit Summary:** The pay range for this position at commencement of employment is expected to be between: \$114,100 and \$211,900/year; however, while salary ranges are effective from 1/1/25 through 12/31/25, fluctuations in the job market may necessitate adjustments to pay ranges during this period. Further, final pay determinations will depend on various factors, including, but not limited to geographical location, experience level, knowledge, skills, and abilities. The total compensation package for this position may also include other elements, including a sign-on bonus, restricted stock units, and discretionary awards in addition to a full range of medical, financial, and/or other benefits (including 401(k) eligibility and various paid time off benefits, such as vacation, sick time, and parental leave), dependent on the position offered. Details of participation in these benefit plans will be provided if an employee receives an offer of employment. If hired, employee will be in an “at-will position” and the Company reserves the right to modify base salary (as well as any other discretionary payment or compensation program) at any time, including for reasons related to individual performance, Company or individual department/team performance, and market factors.

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部门

Development

Business Unit

Universal Hierarchy Node

地点

USA

状态

New Jersey

站点

East Hanover

Company / Legal Entity

U014 (FCRS = US014) Novartis Pharmaceuticals Corporation

Functional Area

Research & Development

Job Type

Full time

Employment Type

Regular

Shift Work

No

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