

# Principal Scientist, Clinical Genetics and Genomics

Job ID  
REQ-10006343  
Jun 25, 2024  
USA

## Summary

About the role:

In this laboratory-focused scientist role in Biomarker Development, you will apply your hand-on expertise in developing and implement genetics and genomic assays including targeted and NGS-based technologies. You will also leverage your data analysis skills to process and interpret the result, such as differential gene expression analysis from RNAseq data. You will work closely with Biomarker Development colleagues and clinical teams to implement clinical biomarker plans

## About the Role

Key Responsibilities:

- Develop, validate and implement innovative genetic and genomic biomarker assays, including RT-qPCR, ddPCR, DNaseq and RNAseq for clinical studies
- Generate, QC and analyze data to enable proof of mechanism, dose selection & proof of biology across early clinical programs and present results at internal meetings
- Conduct large RNAseq data analysis focusing on differential gene expression profiles
- Partner with outsourcing functions to evaluate new CROs and new modality that support genetic and genomic biomarker activities in clinical studies
- Conduct activities according to the appropriate SOPs and guidelines in compliance with Novartis quality expectations and Values and Behaviors
- Develop knowledge in additional biomarker modalities and/or technologies
- Network internally and externally to expand scientific and technical knowledge

[Novartis EVP Manifesto.mp4](#)

Essential Requirements:

- PhD degree in Biology, Immunology, or Cell biology required plus 3 years of relevant professional experience (including post-doctoral work) desirable
- Experience in PCR based assays development (e.g. qPCR, ddPCR) and related software analysis
- Experience in profiling genomic technologies, such as RNAseq, scRNAseq and /or DNaseq
- Proficient in RNAseq data analysis focusing on differential gene expression analysis
- Professional experience in the pharmaceutical or biotechnology environment is preferred, particularly in clinical biomarker development and bioanalytical assays for genetic and genomic biomarkers
- Competent in nucleic acid extractions from human clinical samples (whole blood, tissues & other body fluids)
- Ability to communicate effectively with excellent presentations skills.

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Benefits and Rewards:

Read our handbook to learn about all the ways we'll help you thrive personally and professionally: [Novartis Life Handbook](#)

Commitment to Diversity and Inclusion:

Novartis is committed to building an outstanding, inclusive work environment and diverse teams representative of the patients and communities we serve.

Novartis Compensation and Benefit Summary: The pay range for this position at commencement of employment is expected to be between \$112,800 - \$169,200/year; however, while salary ranges are effective from 1/1/24 through 12/31/24, 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.

**Why Novartis:** Helping people with disease and their families takes more than innovative science. It takes a community of smart, passionate people like you. Collaborating, supporting and inspiring each other. Combining to achieve breakthroughs that change patients' lives. Ready to create a brighter future together?

<https://www.novartis.com/about/strategy/people-and-culture>

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U175 (FCRS = US175) Novartis Institutes for BioMedical Research, Inc.  
Functional Area  
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Job Type  
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