

Senior Expert Data Scientist - Translational Medicine

Job ID

REQ-10083834

Aug 06, 2026

LOC_IN

About the Role

Major Accountabilities

- Conceive, design, and execute exploratory analyses as Lead Data Scientist across First in Human, Phase I-III clinical trials, applying advanced analytical methods as required.
- Participate in and lead cross-functional biomarker collaborations with Discovery and Development partners to support target selection, clinical development, and registration activities.
- Provide subject matter expertise for high-dimensional clinical data (genetics, omics, digital, and/or imaging) and analysis solutions to inform disease characterization, patient stratification and enrichment strategies.
- Contribute to shaping the Novartis' data and digital strategy by adhering to rigorous data engineering principles to unlock AI-powered discoveries.
- Work expeditiously as a member of matrixed clinical trial teams with diverse membership and expertise.

Minimum requirements

- PhD, MD or equivalent experience in computational biology, bioinformatics, statistical genetics, biostatistics, applied machine learning or AI, data science or related field.
- 3 years' experience in analyzing large-scale biological datasets in a drug discovery/development or relevant academic setting.
- Expert knowledge of statistical programming in R and Bioconductor. Proficiency with Unix/Bash, Python, or similar scripting language a must.
- Strong grasp of human genomics and next generation sequencing technologies, including experience implementing reproducible and scalable pipeline workflows in an HPC or Cloud environment.
- Previous experience in single-cell and/or spatial transcriptomics data analyses, including TCR/BCR repertoire analysis at bulk and/or single-cell level.
- Strong understanding of biostatistics and machine learning, including longitudinal analysis.
- Experience with generative coding assistants, copilots and developer tools highly desirable.
- Excellent communication and ability to translate analytical concepts for diverse audiences and stakeholders.

Role Requirements

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>

Benefits and Rewards: Learn about all the ways we'll help you thrive personally and professionally.

[Read our handbook \(PDF 30 MB\)](#)

Division

DIV_RE

Business Unit

Research

Location

LOC_IN

Site

Hyderabad (Office)

Company / Legal Entity

IN10 (FCRS = IN010) Novartis Healthcare Private Limited

Functional Area

FCT_DD

Job Type

Full time

Employment Type

Regular

Shift Work

No

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