

Senior Expert Data Scientist - Translational Medicine

Job ID
REQ-10083834

7月 28, 2026

India

Available in: English

摘要

As a member of the Quantitative Sciences & Innovation (QSI) unit in Biomarker Development, you will join Novartis' clinical trial teams to speed new medicines into the clinic across one of the industry's largest and most innovative portfolios. By integrating high-throughput biomarker technologies from First in Human through Phase III clinical trials, you will investigate disease heterogeneity, drug efficacy, and patient safety at molecular resolution to advance trials in new indications and patient populations. You are a passionate and curious scientist, eager to bring creative solutions to biology's most daunting challenges on our journey to reimagine medicine. Working alongside dedicated physicians and biomarker scientists in a global multi-disciplinary team, our Data Scientists provide the analytical insights that drive Translational success.

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.

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 \(PDF 30 MB\)](#)

部门
Biomedical Research

Business Unit
Research

地点
India

站点
Hyderabad (Office)

Company / Legal Entity
IN10 (FCRS = IN010) Novartis Healthcare Private Limited

Functional Area
Data and Digital

Job Type
Full time

Employment Type
Regular

Shift Work

No

```
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false }, sources: { options: {}, startTime: 0 }, disableUserCache: "true", plugins: {}, sources: { options:
{}}, startTime: 0 }, ui: { showCCButton: false, settings: { showQualityMenu: true, showSpeedMenu:
false }, components: { fullscreen: { disableDoubleClick: false } }, uiComponents: [ { presets:
['Playback', 'Live'], area: 'BottomBarRightControls', replaceComponent: 'Fullscreen', get:
kPlayer.ui.components.Remove } ] } }; // Check and add plugins only if they exist if
(kPlayer.plugins["download"]) { config.plugins.download = { disable: true }; } if
(kPlayer.plugins["transcript"]) { config.plugins["playkit-js-transcript"] = { position: "right", // Default:
bottom;('left', 'right', 'top', 'bottom') to enable transcript. expandMode: "over", // Default:
alongside;('alongside', 'hidden', 'over') expandOnFirstPlay: false, showTime: true, downloadDisabled:
false, printDisabled: false, disable: true }; } if (kPlayer.plugins["preventSeek"]) {
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config.plugins.floating = { disable: true }; if (kPlayer.plugins["navigation"]) { config.plugins.navigation =
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config.plugins.googleTagManager.customEventsTracking = { preset: { coreEvents: true, UIEvents:
false, playlistEvents: false, castEvents: false } }; }
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```
// Ensure the global player registry array always exists, regardless of embed type.
window.kalturaPlayerVideos = window.kalturaPlayerVideos || []; try { var thumbEmbedPromise =
thumbnailEmbed({config, mediaInfo: {entryId: "1dgvmafo"}}); // thumbnailEmbed() returns a
Promise that resolves with the player instance // when the user clicks the thumbnail. Use .then() to
capture the player directly. thumbEmbedPromise.then(function(player) {
window.kalturaPlayerVideos.push(player); // Notify kalturadatalayer.js that a new player is ready so
it can // attach custom event listeners immediately, regardless of when // the user clicked the
thumbnail relative to page load. document.dispatchEvent(new CustomEvent('kalturaPlayerReady', {
detail: { player: player } })); }) .catch(function(error) { console.error(error); }); } catch (e) {
console.error(e.message) }
```

Accessibility and accommodation

Novartis is committed to working with and providing reasonable accommodation to individuals with disabilities. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in order to perform the essential functions of a position, please send an e-mail to diversityandincl.india@novartis.com and let us know the nature of your request and your contact information. Please include the job requisition number in your message.

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