

Senior Expert Data Science, Scientific Innovation

Job ID
REQ-10080113

6月 23, 2026

India

摘要

#LI-Hybrid

Location: Hyderabad, India

Relocation Support: Yes

Reimagine the future of drug discovery by applying cutting-edge artificial intelligence to some of the most complex challenges in biomedical research. As a Senior Specialist Data Science & AI, you will help translate critical scientific questions into impactful data science solutions that accelerate innovation across Novartis' research pipeline. Working at the intersection of science, technology, and collaboration, you will partner with leading researchers, artificial intelligence specialists, and cross-functional teams to shape scalable solutions that improve discovery, enable smarter decisions, and ultimately help transform patient outcomes.

AI4R partners with drug discovery teams, raises the level of AI expertise across BR, and ensures that BR science keeps up with the rapidly evolving ecosystem of AI technologies by connecting with AI leaders in academia and industry.

This role within the Scientific Innovation group of AI4R will be tasked with ensuring scientific rigor and innovation for AI applications and methods for drug discovery. Additionally, the role would be expected to act as the SME liaison of AI4R to BR Disease Areas (DAs) and Function Areas (FAs).

About the Role

Key Responsibilities

- Translate complex biomedical research questions into actionable artificial intelligence and machine learning solutions
- Partner with scientists and domain experts to identify high-impact opportunities for artificial intelligence in drug discovery
- Collaborate with AI modelers to design, validate, and optimize robust and scalable predictive models
- Work closely with engineering and product teams to deliver production-ready artificial intelligence solutions
- Drive scientific rigor and innovation in the application of advanced analytics across research programs
- Act as a liaison between AI for Research and Biomedical Research stakeholders to ensure alignment and impact
- Communicate insights, results, and value of artificial intelligence applications to diverse scientific and leadership audiences
- Co-create and lead collaborations across disease areas and functional teams to accelerate discovery outcomes
- Define and implement meaningful metrics to evaluate model performance and real-world research impact
- Stay current with emerging artificial intelligence trends and translate them into practical research applications

Essential Requirements

- 5+ years of experience applying artificial intelligence and machine learning to scientific or biomedical research problems
- Proven expertise in translating complex research questions into scalable analytical and predictive solutions
- Domain knowledge in drug discovery such as target identification, computational chemistry, or translational medicine
- Strong experience in model development, validation, deployment, and real-world adoption of machine learning solutions
- Deep understanding of drug development processes and applying advanced analytics within large research organizations
- Ability to collaborate effectively across multidisciplinary teams and influence stakeholders at multiple organizational levels
- Strong problem-solving, organizational, and communication skills with the ability to drive alignment and results
- Demonstrated ownership mindset with the ability to prioritize and execute in complex,

matrixed environments

Desirable Requirements

- Experience collaborating with academic or industry leaders to advance artificial intelligence innovation in biomedical research
- Exposure to cross-functional product or engineering environments supporting scalable digital solutions for research teams

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.

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

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

Information Technology

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

```
var kPlayer = KalturaPlayer55802022 || KalturaPlayer; var config = { targetId:
"kalturaplayer6a3ba0bb7fc96258148411", provider: { widgetId: "10m7rm1pm", partnerId:
"2076321", uiConfId: "55802022" }, playback: { autoplay: false, autopause: false, muted: false, loop:
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"]) {
config.plugins.preventSeek = { preventSeekForward: false, preventSeek: false }; }
config.plugins.floating = { disable: true }; if (kPlayer.plugins["navigation"]) { config.plugins.navigation =
{ position: "right", expandMode: "over", expandOnFirstPlay: false, visible: false }; } if
(kPlayer.plugins["hotspots"]) { config.plugins["playkit-js-hotspots"] = { disable: true }; } if
(kPlayer.plugins["moderation"]) { config.plugins["playkit-js-moderation"] = { disable: true }; } if
(kPlayer.plugins["info"]) { config.plugins["playkit-js-info"] = { disable: true }; } if
(kPlayer.plugins["share"]) { config.plugins.share = { disable: true }; } config.ui.uiComponents = []; if
(kPlayer.plugins["googleAnalytics"]) { config.plugins.googleTagManager = {};
```

```
config.plugins.googleTagManager.customEventsTracking = {};  
config.plugins.googleTagManager.containerId = 'GTM-57RJQ5';  
config.plugins.googleTagManager.customEventsTracking.custom = [];  
config.plugins.googleTagManager.customEventsTracking = { preset: { coreEvents: true, UIEvents:  
false, playlistEvents: false, castEvents: false } }; }
```

```
// Ensure the global player registry array always exists, regardless of embed type.  
window.kalturaPlayerVideos = window.kalturaPlayerVideos || []; try { var kalturaPlayer =  
kPlayer.setup(config); // Add the player to the global array.  
window.kalturaPlayerVideos.push(kalturaPlayer); // Load the Player for other media.  
kalturaPlayer.loadMedia({entryId: "1dgfvmafo"}); } catch (e) { console.error(e.message) }
```

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