NOVARTIS

Scientific AI Platform Expert, Disease Area X

Job ID
REQ-10090243

十月 23, 2026

USA

摘要

The Scientific AI Platform Expert will join the Disease Area X (DAx) Data Science team at Novartis to build enterprise-grade, AI analysis platforms and data products to accelerate drug discovery. This role will lead and partner on multidisciplinary project teams, operationalize generative and agentic AI solutions, contribute to shaping DAx AI data strategy, and collaborate with enterprise IT teams. This role reports to the Head of Data Science, DAx.

About the Role

Internal job title: Expert I/II, Data Science

Position Location: Cambridge, MA, Hybrid

** This role is based in Cambridge, MA. Novartis is unable to offer relocation support for this role: please only apply if this location is accessible for you.

Job description Summary:

The Scientific AI Platform Expert will join the Disease Area X (DAx) Data Science team at Novartis to build enterprise-grade, AI analysis platforms and data products to accelerate drug discovery. This role will lead and partner on multidisciplinary project teams, operationalize generative and agentic AI solutions, shape DAx AI data strategy, and collaborate with enterprise IT teams. This role reports to the Head of Data Science, DAx.

Key Responsibilities:

- Translate scientific and operational AI needs into impactful, decision-enabling solutions.
- Hands-on design, build, and sustain scalable AI-focused omics pipelines, APIs, and integrated data products.
- Scale AI workflows using reproducible, transparent, secure, and FAIR data practices.
- Prioritize resources against evolving research needs.
- Provide input to the team on project evaluation, deployment, lifecycle, and governance practices.
- Assist as needed with the onboarding of external vendors and service providers.
- Effectively provide input to the team on strategy, implementation details and results through internal and external presentations, posters, publications, and technical documentation.

Essential Requirements:

- BS or MS in AI/ML, data science/engineering, computational biology, bioinformatics, computer science/engineering, mathematics, physics, or a related discipline, with 3+ years of hands-on experience in scientific data science or engineering, AI/ML, computational research within the biopharma and/or technology industry. We will also consider qualified recent PhD graduates (within last 2 years).
- Experience building and operating production-grade multimodal data platforms for scientific analysis: omics data, data modeling, patient metadata, lineage, access controls, and reproducible workflows.
- Experience with omics analysis pipelines (i.e. genomics, transcriptomics), MCP, LLM patterns, biological foundational models, agent orchestration, and deep learning frameworks (i.e. Pytorch) is preferred.
- Familiarity with current agentic frameworks such Claude Science, Biomni, Gemini or other open-source co-scientist platforms.
- Deep practical experience in software or data engineering (i.e. agile), including Python, SQL, version control, testing, workflow orchestration, cloud platforms, and data lakes (i.e. Snowflake, Databricks, Palantir Foundry, AWS).
- Strong communication, interpersonal, ethical, self-awareness, and customer service skills.

Desired Requirements:

- Demonstrated record of scientific or technical impact through publications, conference proceedings, open-source contributions, patents, or deployed data products.
- Experience leading and supporting cross-functionally across diverse science or engineering teams, influencing key stakeholders across a matrix organization.

Compensation & Benefits:

The salary for this position is expected to range between $103,600 and $192,400 USD annually for Expert I, Data Science, and $114,100 and $211,900 USD annually for Expert II, Data Science. The final salary offered is determined based on factors like, but not limited to, relevant skills and experience, and upon joining Novartis will be reviewed periodically. Novartis may change the published salary range based on company and market factors.

Your compensation will include a performance-based cash incentive and, depending on the level of the role, eligibility to be considered for annual equity awards.

US-based eligible employees will receive a comprehensive benefits package that includes health, life and disability benefits, a 401(k) with company contribution and match, and a variety of other benefits. In addition, employees are eligible for a generous time off package including vacation, personal days, holidays and other leaves.

To learn more about the culture, rewards and benefits we offer our people click here.

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)

EEO Statement:

The Novartis Group of Companies are Equal Opportunity Employers. We do not discriminate in recruitment, hiring, training, promotion or other employment practices for reasons of race, color, religion, sex, national origin, age, sexual orientation, gender identity or expression, marital or veteran

status, disability, or any other legally protected status.

Accessibility & Reasonable Accommodations

The Novartis Group of Companies are 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 application process, or to perform the essential functions of a position, please send an e-mail to us.reasonableaccommodations@novartis.com or call +1(877)395-2339 and let us know the nature of your request and your contact information. Please include the job requisition number in your message.

部门
Biomedical Research

Business Unit
Research

地点
USA

状态
Massachusetts

站点
Cambridge (USA)

Company / Legal Entity
U175 (FCRS = US175) Novartis Institutes for BioMedical Research, Inc.

Functional Area
Data and Digital

Job Type
Full time

Employment Type
Regular

Shift Work
No

var kPlayer = KalturaPlayer55802022 || KalturaPlayer; var config = { targetId: "kalturaplayer6adbd4aa6f4b9250640045", 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 thumbEmbedPromise = thumbnailEmbed({config, mediaInfo: {entryId: "1dgfvmafo"}}); // 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 kaltura datalayer.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) }

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