NOVARTIS

Team Leader in Data Science, Disease Area X

Job ID
REQ-10084255

7月 22, 2026

USA

Available in: English

摘要

The Team Leader in Data Science, Disease Area X at Novartis will lead and contribute to high-impact data science programs that transform complex biological, translational, and multi-omics data into decision-driving insights for drug discovery. This role will combine scientific leadership, hands-on computational expertise, and people leadership to advance target identification, biomarker discovery, mechanism-of-action understanding, and portfolio decisions.

The successful candidate will lead a multidisciplinary team of data scientists and partner closely with biology, translational research, data sciences, IT, and discovery platform teams. They will help define and operationalize AI/ML strategy for discovery applications, including generative and agentic AI. This leader will also contribute significantly to data generation, curation, and engineering strategies that enable scalable use of proprietary and public datasets. The role reports to the Head of Data Science, Disease Area X.

About the Role

Internal Job Title: Senior Principal Scientist or Associate Director

Position Location: Cambridge, MA Hybrid

Key responsibilities:

- **Lead data science strategy and execution** for hypothesis-driven discovery programs, including study design, analysis of experiments, and interpretation of complex biological datasets.
- **Drive multi-omics analytics** across genomics, transcriptomics, proteomics, single-cell, spatial, imaging, clinical, and other relevant data modalities to support target and biomarker portfolios.
- **Translate scientific questions into computational strategies**, selecting fit-for-purpose statistical, machine learning, AI, and bioinformatics approaches.
- **Operationalize responsible use of generative and/or agentic AI tools** in drug discovery workflows, ensuring scientific rigor, data governance, and appropriate human oversight.
- **Contribute hands-on technical work** in scientific software development, data engineering, workflow automation, reproducible analysis, and scalable analytical pipelines.
- **Partner cross-functionally** with wet-lab scientists, translational researchers, platform teams, and senior stakeholders to shape experimental design and accelerate decision-making.
- **Prioritize resources and capabilities** across multiple projects, adapting to evolving portfolio needs and balancing strategic impact with delivery timelines.
- **Lead, coach, and develop direct reports**, creating a collaborative, inclusive, scientifically rigorous, and high-performing team environment.
- **Communicate scientific findings and recommendations** clearly through internal presentations, governance discussions, publications, posters, and external scientific forums.
- **Promote FAIR data practices**, reproducible research, high-quality documentation, project tracking, and scalable analytical standards across the team.

Essential Requirements:

- Advanced degree (PhD preferred) in Data Science, Computational Biology, Bioinformatics, Computational Science, Molecular Biology, Genetics, Biochemistry, Engineering, or a related quantitative or life sciences discipline.
- 6+ years of relevant experience applying computational biology, bioinformatics, AI/ML, statistics, or data science to drug discovery, translational research, biotechnology, pharmaceutical R&D, technology, or academic research.
- Experience leading or managing internal data scientists, computational biologists, bioinformaticians, or machine learning scientists in a matrix management environment as well as external collaborators
- Demonstrated ability to lead complex, hypothesis-driven scientific analyses using biological, multi-omics, or translational datasets, including RNA-seq, single-cell RNA-seq, proteomics, genomics, spatial biology, and/or imaging.
- Strong practical experience with scientific software development, reproducible analysis, workflow orchestration and collaborative development practices; experience in Python and/or

R, with familiarity in tools such as GitHub, HuggingFace, workflow managers, Jupyter notebooks, containers
- Deep experience with cloud-based or enterprise-scale compute platforms, high-performance computing
- Significant experience influencing and collaborating across diverse scientific teams, including wet-lab biology, translational research, engineering, and computational functions.
- Familiarity with modern AI/ML methods and their application to biological or biomedical data (i.e. generative, agentic AI)
- Experience acquiring, curating, and engineering proprietary and public datasets while maintaining appropriate data governance, privacy, and security standards.
- Demonstrated ability to shape scientific strategy cross-functionally, influence senior stakeholders, and translate analytical results into portfolio-relevant decisions.
- Track record of scientific impact through publications, conference presentations, internal decision support, or portfolio contributions.
- Strong communication, interpersonal, ethical judgment, resilience, and self-awareness skills.

Compensation & Benefits:

The salary for this position is expected to range between $160,300 and $297,700 USD annually for Senior Principal Scientist, Data Science, and $176,400 and $327,600 USD annually for Associate Director, 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: "kalturaplayer6a6171cd57235474247446", 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<u>d</u>atalayer.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) }

Job ID
REQ-10084255

Team Leader in Data Science, Disease Area X

Apply to Job

Job ID
REQ-10084255

Team Leader in Data Science, Disease Area X

Apply to Job

Source URL:
https://www.novartis.com.cn/careers/career-search/job/details/req-10084255-team-leader-data-

science-disease-area-x

List of links present in page

1. https://www.novartis.com/sites/novartiscom/files/novartis-life-handbook.pdf
2. https://www.novartis.com/about/strategy/people-and-culture
3. https://www.novartis.com/sites/novartiscom/files/novartis-life-handbook.pdf
4. mailto:us.reasonableaccommodations@novartis.com
5. https://novartis.wd3.myworkdayjobs.com/en-US/NovartisCareers/job/Cambridge-USA/Team-Leader-in-Data-Science--Disease-Area-XREQ-10084255-1
6. https://novartis.wd3.myworkdayjobs.com/en-US/NovartisCareers/job/Cambridge-USA/Team-Leader-in-Data-Science--Disease-Area-XREQ-10084255-1