

Associate Director, Data Science, New Targets, Oncology

Job ID
REQ-10064356

12月 02, 2025

USA

摘要

About the role:

#LI:Onsite

The Oncology Data Science team in Biomedical Research works at the intersection of oncology drug discovery, computational biology, AI/ML, and data engineering to advance new therapeutics across drug modalities. We are seeking an Associate Director of Data Science to lead a multidisciplinary team dedicated to target discovery, using advanced analytics, new technologies, and close collaboration with colleagues across the organization. We're looking for a leader who brings strong scientific leadership, a deep understanding of data science and oncology, and a commitment to innovative approaches to bring new drug targets to the pipeline.

About the Role

Key Responsibilities:

- Lead and develop a team of data scientists, driving high-quality data science that is grounded in deep understanding of biology and applicable data science methodologies and approaches to identify new targets for oncology drug development.
- Co-develop and execute a data science strategy to enable and enhance innovation in the new targets space.
- Closely align with the Target Biology and Discovery (TBaD) team as well as the Oncology Drug Discovery Data Science teams to represent the New Targets data science function, manage the portfolio of data science New Targets projects, and drive collaborative innovation in the New Targets space.
- Collaborate on the development and implementation of innovative machine learning algorithms, AI models, and platforms to enable the delivery of predictive and prescriptive insights with the Oncology Data Science AI team and other technology-focused teams.
- As member of the Oncology Data Science Leadership team contribute to Oncology Data Science overall direction and management, represent the new targets portfolio as a function.
- Closely collaborate with Oncology Data Science engineering teams to ensure team adherence to data standards, data governance and data strategy.
- Play a leading role in matrix teams such as disease area teams or teams centered around key technologies such as genomics, proteomics and spatial technologies.
- Present and externalize work of the team in conferences, abstracts and scientific journals.

Essential Requirements:

- This position will be located at the Cambridge, MA site and will not have the ability to be located remotely. This position will require 5% travel as defined by the business (domestic and/ or international).
- Ph.D. in data science, computational biology or related fields with a strong background in oncology, strong scientific mindset and the ability to set scientific strategy.
- 7+ years of experience in a data science role in oncology drug development or highly relevant academic functions.
- Excellent leadership and management skills, with the ability to manage and develop a team of data scientists and analysts, 3+ years of direct people management experience.
- Understanding of functional oncology targets such as mutated oncogenes as well as principles around identifying cell surface targets for modalities such as antibody-drug conjugates, CAR-T and/or radioligand therapies.
- Broad experience with genomics, proteomics data and/or functional genomics data.
- Excellent communication skills, with the ability to communicate complex data insights and recommendations to cross-functional teams and stakeholders.
- Proven history of contributions to the scientific community in the form of papers and/or conference presentations

Preferred Requirements:

- Specific experience with new target identification in oncology.
- Strong expertise in AI/machine learning and statistical modeling techniques.

The salary for this position is expected to range between \$176,400 and \$327,600 per year.

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.

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

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function adjustKalturaPlayer() { var deviceWidth = window.innerWidth ||  
document.documentElement.clientWidth || document.body.clientWidth; var mediaElement =
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document.getElementById("kulturaplayer697a5ae3a521d462192631"); var mediaContainer = mediaElement.closest('.nc-kaltura-media'); var originalWidth = "1200px"; var originalHeight = "674px"; var originalWidthValue = parseFloat(originalWidth); var originalHeightValue = parseFloat(originalHeight); var mediaType = "video"; var isResponsive = false; // Get computed styles of the container element. var parentStyles = window.getComputedStyle(mediaContainer); var finalWidth = parseFloat(parentStyles.width); if (finalWidth < originalWidthValue) { var config = { targetId: "kulturaplayer697a5ae3a521d462192631", provider: { widgetId: "10m7rm1pm", partnerId: "2076321", uiConfd: "55802022" }, playback: { autoplay: false, autopause: false, allowMutedAutoPlay: false, loop: false }, sources: { options: {}, startTime: 0 }, plugins: { download: { disable: true }, "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 } }, ui: { showCCButton: false, settings: { showQualityMenu: true, showSpeedMenu: false }, components: { fullscreen: { disableDoubleClick: false } }, uiComponents: [ { presets: ['Playback', 'Live'], area: 'BottomBarRightControls', replaceComponent: 'Fullscreen', get: KalturaPlayer.ui.components.Remove } ] } }; config.plugins.preventSeek = { preventSeekForward: false, preventSeek: false }; config.plugins.floating = { disable: true }; config.plugins.navigation = { position: "right", expandMode: "over", expandOnFirstPlay: false, visible: false }; config.plugins['playkit-js-hotspots'] = { disable: true }; config.plugins['playkit-js-moderation'] = { disable: true }; config.plugins['playkit-js-info'] = { disable: true }; config.plugins.share = { disable: true }; config.ui.uiComponents = []; 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 } };
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try { var kalturaPlayer = KalturaPlayer.setup(config); // Add the player to the global array. if (typeof kalturaPlayerVideos !== 'undefined') { kalturaPlayerVideos.push(kalturaPlayer); } else { var kalturaPlayerVideos = []; kalturaPlayerVideos.push(kalturaPlayer); } // Load the Player for other media. kalturaPlayer.loadMedia({entryId: "1dgfvmafo"}); setTimeout(() => { setupAutoPause(kalturaPlayerVideos); }, 500); function setupAutoPause(players) { players.forEach((currentPlayer) => { currentPlayer.addEventListener('play', () => { players.forEach((otherPlayer) => { if (otherPlayer !== currentPlayer && typeof otherPlayer.pause === 'function') { otherPlayer.pause(); } }); }); }); } catch (e) { console.error(e.message) }
```



VIDEO

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