

Senior Expert I / Senior Expert II** Data Science

Job ID
REQ-10085263

8月 12, 2026

USA

摘要

What if your data science expertise could help shape safer medicines for millions of patients worldwide? As a Senior Expert I or Senior Expert II Data Science, you will apply advanced artificial intelligence, machine learning, and computational modelling to tackle complex scientific challenges and influence critical decisions across drug discovery and early development. Working within a highly collaborative, multidisciplinary environment, you will transform diverse biological and scientific data into meaningful insights that help identify risks earlier, accelerate innovation, and support the development of life-changing medicines.

About the Role

#LI-Hybrid

Location: Cambridge, Massachusetts, United States

Relocation Support: This role is based in Cambridge, Massachusetts, United States. Novartis is unable to offer relocation support: please only apply if accessible.

Key Responsibilities

- Develop innovative artificial intelligence and machine learning solutions to support critical scientific decision-making.
- Build scalable data pipelines that enable efficient analysis, model development, and insight generation.
- Apply advanced analytical methods to solve complex research and business challenges.
- Integrate diverse datasets to uncover meaningful patterns and actionable opportunities.
- Create predictive models that help identify risks and support informed decision-making.
- Partner with cross-functional experts to advance project goals and drive innovation.
- Ensure high standards of model quality, validation, reproducibility, and performance.
- Communicate complex findings clearly to both technical and non-technical audiences.

Essential Requirements

- Doctorate degree in Data Science, Machine Learning, Statistics, Bioinformatics, Computational Biology, or a related field.
 - Experience working with large and complex scientific, healthcare, or research datasets.
 - Strong programming skills using Python or a comparable programming language.
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- Experience building and deploying end-to-end data science and machine learning solutions.
- Strong understanding of statistics, predictive modelling, validation techniques, and performance evaluation.
- Experience working with databases and modern data processing technologies.
- Excellent collaboration, problem-solving, and communication skills within multidisciplinary environments.

Desirable Requirements

- Experience in drug discovery, toxicology, predictive safety, or pharmacology.
- Experience with generative artificial intelligence, explainable artificial intelligence, graph machine learning or agentic workflows

**Appointment level Senior Expert I / Senior Expert II will be determined based on the successful candidate's experience and qualifications.

Commitment to Diversity & Inclusion

Novartis is committed to building an outstanding, inclusive work environment and diverse teams representative of the patients and communities we serve.

Equal Opportunity Employment

Novartis provides equal employment opportunities to all qualified individuals. Employment decisions are made without regard to race, colour, religion, sex, sexual orientation, gender identity, national origin, disability, veteran status, age, or any other protected characteristic in accordance with applicable laws.

Compensation & Benefits

Senior Expert I Data Science: \$126,000.00 - 180,000.00 - 234,000.00 USD Annual per year;

Senior Expert II Data Science: \$138,600.00 - 198,000.00 - 257,400.00 USD Annual per year.

Final compensation will be determined based on relevant skills, experience, qualifications, geographic location, and internal equity.

In addition to base compensation, this position is eligible for a performance-based cash incentive and may be eligible for annual equity awards. US-based eligible employees receive health, life and disability benefits, a 401(k) plan with company contribution and match, wellbeing and financial benefits, and generous paid time off including vacation, personal days, holidays and other leave benefits.

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:
"kalturaplayer6a854e7faef64058532358", 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 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) }

```

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