

Senior Expert Data Science, Scientific Innovation

Job ID
REQ-10078901

6月 23, 2026

Ireland

摘要

Job Title: Senior Expert Data Science, Scientific Innovation
#LI-Hybrid

Location: Dublin, Ireland

Relocation Support: This role is based in Dublin, Ireland. Novartis is unable to offer relocation support: please only apply if accessible.

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

Rewards

At Novartis, we 're committed to reimagining medicine together - and rewarding the people who make it happen.

The rewards of being part of our team go far beyond base pay and incentives. We also offer a variety of competitive benefits in kind to help you thrive personally and professionally, such as insurance plans, retirement plans, wellbeing resources and global recognition programs. In addition, we provide flexible and hybrid working options, where possible, and a minimum of 14 weeks paid parental leave.

Expected Annual Base Salary Range for role:

- Dublin: 63,490.00 - 117,910.00 EUR Annual

The salary offered is determined based on gender-neutral objectives, such as relevant skills, competencies and experience in accordance with the Novartis pay setting policy and upon joining Novartis will be reviewed periodically.

In addition to your base salary, you may be eligible for a performance-based bonus depending on certain performance parameters. Further details will be provided during the application process.

Pay equity is a fundamental principle of our employment policy and reflects our commitment to create a diverse, equitable and inclusive environment that treats all employees with dignity and respect, as outlined in our Code of Ethics.

Read our [brochure](#) to learn more about our global total rewards offering: <https://www.novartis.com/sites/novartiscom/files/novartis-life-handbook.pdf>

Note: Benefits and compensation may vary by country and are subject to local legal requirements, including provisions of collective bargaining agreements where applicable. A full overview of your

compensation package, including any relevant collective bargaining agreement details applicable to your role based on your employment location and Novartis employer entity, will be communicated separately to you during the application process.

Commitment to Diversity and Inclusion / EEO paragraph:

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

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 \(PDF 30 MB\)](#)

Primary location salary range
€ 63,490.00 - € 117,910.00

部门
Biomedical Research

Business Unit
Information Technology

地点
Ireland

站点
Dublin (NOCC)

Company / Legal Entity

IE02 (FCRS = IE002) Novartis Ireland Ltd

Functional Area
Data and Digital

Job Type
Full time

Employment Type
Regular

Shift Work
No

```
var kPlayer = KalturaPlayer55802022 || KalturaPlayer; var config = { targetId:
"kalturaplayer6a3ba0ac864a3029991781", 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: "1d_gfvmafo"}); } catch (e) { console.error(e.message) }
```

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