NOVARTIS

Senior Expert Data Science, AI Methods

Job ID
REQ-10080970

6月 26, 2026

Ireland

摘要

Job Title: Senior Expert Data Science, AI Methods.

#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.

No of positions: 2

Join us at the forefront of AI-driven drug discovery, where your work will directly shape how breakthrough therapies are discovered and developed. As a Senior Expert in AI Methods, you will push the boundaries of machine learning to solve complex biomedical challenges, designing innovative models and approaches that accelerate research impact. Working alongside world-class scientists and AI experts, you will translate cutting-edge methods into real-world solutions that help bring better medicines to patients, faster.

About the Role

Key Responsibilities

- Develop advanced machine learning models to solve complex biomedical research and drug discovery challenges
- Design and implement innovative AI methodologies to accelerate therapeutic discovery and research outcomes
- Collaborate with scientists and domain experts to translate research needs into scalable AI solutions
- Evaluate emerging AI techniques and identify opportunities for methodological innovation across research pipelines
- Build and optimize robust, high-performance algorithms for large-scale data and model training
- Drive adoption of AI solutions by integrating engineering and product development practices
- Translate model outputs into actionable scientific hypotheses to guide experimental design
- Define and track metrics to measure impact and performance of AI models in real-world applications
- Lead cross-functional collaborations to advance AI-driven research initiatives within the organization
- Communicate complex technical concepts clearly to diverse stakeholders across scientific and technical domains

Essential Requirements

- Bachelor ' s or master ' s degree in computer science, artificial intelligence, or a related quantitative field
- Minimum 4 years of experience in machine learning model development, deployment, and continuous improvement
- Strong expertise in deep learning methods including representation learning and generative modeling techniques
- Proficiency in Python and experience with modern deep learning frameworks for large-scale model development
- Experience with distributed computing, large-scale model training, and foundation model adaptation
- Ability to communicate complex technical concepts clearly and collaborate effectively within cross-functional teams

Desirable Requirements

- Experience applying machine learning techniques to drug discovery areas such as target identification or protein modeling
- Publications, patents, or open-source contributions demonstrating innovation in machine learning

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: "kalturaplayer6a3ef48aca188403414960", 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: "1dgfvmafo"}); } catch (e) { console.error(e.message) }

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