

## Senior Expert (Rapid Prototyping)

Job ID  
REQ-10079036

6月 23, 2026

Ireland

### 摘要

Job Title: Senior Expert (Rapid Prototyping)  
Location: Dublin, Ireland  
#LI-Hybrid

No of positions:2

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

Join us at the forefront of scientific innovation, where cutting-edge artificial intelligence meets life-saving research. As a Senior Expert in Rapid Prototyping, you will play a pivotal role in transforming how drug discovery is accelerated by designing and deploying advanced generative artificial intelligence and agentic systems. Working at the intersection of science and technology, you will rapidly translate emerging artificial intelligence capabilities into impactful, real-world solutions that empower researchers, enhance decision-making, and ultimately help bring transformative therapies to patients faster.

## About the Role

### Key Responsibilities

- Design and deploy generative artificial intelligence solutions supporting drug discovery and biomedical research workflows
- Build rapid prototypes and scalable applications combining foundation models, retrieval systems, and workflow orchestration
- Develop production-ready large language model applications with robust context handling, tool integration, and monitoring
- Translate emerging generative artificial intelligence and agentic approaches into practical, reusable solutions
- Apply engineering best practices including testing, benchmarking, version control, and lifecycle management
- Collaborate with cross-functional teams to deliver impactful artificial intelligence solutions aligned with research priorities
- Identify opportunities to enhance scientist productivity using artificial intelligence assistants and workflow automation
- Contribute to architecture, scalability, security, and reliability of artificial intelligence-powered systems
- Share best practices, reusable components, and technical guidance across teams working on artificial intelligence applications
- Evaluate emerging tools, frameworks, and technologies to advance generative artificial intelligence capabilities

### Essential Requirements

- 5+ years of experience building and deploying artificial intelligence or machine learning systems in production
- 2+ years of hands-on experience designing large language model applications including retrieval augmented generation and tool integration
- Strong proficiency in Python and experience developing scalable services, application programming interfaces, and reusable libraries
- Experience delivering end-to-end artificial intelligence solutions including prompt design, evaluation, and monitoring
- Familiarity with generative artificial intelligence frameworks such as LangChain, LangGraph, or similar ecosystems
- Experience applying modern software engineering practices including testing, code reviews, version control, and continuous integration
- Understanding of evaluation metrics for generative artificial intelligence systems including quality, reliability, and cost considerations
- Awareness of security, governance, and responsible artificial intelligence practices in enterprise environments

### Desirable Requirements

- Experience in drug discovery, computational biology, or biomedical research environments
- Publications, patents, or open-source contributions in artificial intelligence or computational sciences

## 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](https://www.novartis.com/sites/novartiscom/files/novartis-life-handbook.pdf) 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:

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:
"kalturaplayer6a3aefca7ff73934982363", 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:
{}}, 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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