

Expert/Senior Expert Data Science

Job ID
REQ-10074553

4月 01, 2026

USA

摘要

LI# Hybrid

Internal Job Title: Expert Data Science / Senior Expert Data Science

Location: East Hanover, NJ, Cambridge, MA or Durham, NC

This position will be located at the East Hanover, NJ, Durham NC, or Cambridge, MA site and will not have the ability to be located remotely.

Job Description:

We are seeking a talented and motivated Data Scientist to join the Data and Statistical Sciences team within the Novartis Cell and Gene Therapy Scientific Office. The Data and Statistical Sciences team advances Novartis's goal of bringing safe and efficacious cell and gene therapies to market through supporting development scientists with data infrastructure, analytics, and a vision for the future of digital-enabled therapeutic development. The successful candidate will play a key role in establishing data flows and connections from laboratory systems to data science platforms, advancing our understanding of bioprocesses, and contributing to the optimization and improvement of our development processes.

About the Role

Responsibilities:

- Lead efforts to establish data flows and connections from laboratory systems to our data science platform.
- Drive cross-functional collaboration across various business domains, including IT, engineering, laboratory teams, to identify data sources and develop data extraction methods that ensure data integrity and security.
- Quickly learn the use of tools, data sources, and analytical techniques needed to answer a wide range of critical business and scientific questions.
- Design and implement data pipelines to ingest, clean, and transform raw data for analysis.
- Leverage statistical and machine learning techniques to analyze integrated data sets, both structured and unstructured, extracting valuable insights into biopharmaceutical manufacturing processes.
- Communicate analytical findings to business users through compelling business presentations, interactive visualization tools, and contextual storytelling techniques, ensuring a clear and impactful understanding of the derived insights from data analysis.
- Develop and maintain data models and schemas to support ongoing data analysis and reporting needs.
- Be adaptable in providing support for a wide array of assessments, including process comparability, when necessary.
- Stay abreast of advancements in data technologies and best practices, recommending and implementing improvements to data infrastructure, models, and techniques as needed.
- Actively participate in data projects, defining scope, timelines, and resource allocation, ensuring successful execution. Collaborate proactively with team members to plan, anticipate change, manage stakeholders, identify risks, and resolve issues.

Essential Requirements:

This is a dual posting. The final level & title of the offer role would be determined by the hiring team based on the skills, experience & capabilities required to perform the role at the level the role has been offered (Expert Data Science OR Senior Expert Data Science):

Expert Level: A minimum of a Bachelor's Degree with 4 years / Masters Degree with 2 years / Recent PhD. A combination of relevant industry experience and education will also be considered. Training and experience demonstrating proficiency in data management will be valued.

Senior Expert Level: A minimum of Bachelor's Degree with 7 years / Masters Degree with 5 years/ PhD with 2 years of experience or dedicated postdoc / graduate training in the field of bioprocess or data science. A combination of relevant industry experience and education will also be considered. Training and experience demonstrating proficiency in data management will be valued.

- Proficiency in programming languages such as Python or R.
- Strong understanding of modeling and statistical concepts.
- Excellent teamwork and communication skills, with a collaborative and proactive approach to problem-solving.
- Strong analytical and problem-solving skills, with the ability to interpret and communicate

findings effectively to both technical and non-technical stakeholders.

Desired Requirements:

- Knowledge of bioprocess engineering and biopharmaceutical manufacturing, with optional experience in cell or gene therapy (lentiviral or adenoviral technology).
- Experience with app development platforms like Red Hat OpenShift or Posit Connect is preferred.
- Familiarity with web development technologies including JSON, CSS, and HTML is preferred.
- Experience with tools and platforms commonly used in the biopharmaceutical industry (e.g., JMP/JSL/SAS, SIMCA, AVEVA PI) is strongly preferred.

The salary for this position is expected to range as follows:

Expert Data Science: \$103,600 and \$192,400 per year

Senior Expert Data Science: \$119,700 and \$222,300 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.

To learn more about the culture, rewards and benefits we offer our people click [here](#).

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

Development

Business Unit

Development

地点

USA

状态

Massachusetts

站点

Cambridge (Massachusetts)

Company / Legal Entity

U014 (FCRS = US014) Novartis Pharmaceuticals Corporation

Alternative Location 1
Durham, North Carolina, USA

Alternative Location 2
East Hanover, New Jersey, USA

Functional Area
Research & Development

Job Type
Full time

Employment Type
Regular

Shift Work
No

```
var config = { targetId: "kalturaplayer69ce34895b3ca212168451", provider: { widgetId:
"10m7rm1pm", partnerId: "2076321", uiConfId: "55802022" }, playback: { autoplay: false, autopause:
false, allowMutedAutoPlay: false, loop: false }, sources: { options: {}, startTime: 0 }, plugins: {},
sources: { options: {}, startTime: 0 }, ui: { showCCButton: false, settings: { showQualityMenu: true,
showSpeedMenu: false }, css : "/modules/custom/arcticnckalturaaddon/css/kalturavideo.css",
components: { fullscreen: { disableDoubleClick: false } }, uiComponents: [ { presets: ['Playback',
'Live'], area: 'BottomBarRightControls', replaceComponent: 'Fullscreen', get:
KalturaPlayer.ui.components.Remove } ] } }; // Check and add plugins only if they exist if
(KalturaPlayer.plugins["download"]) { config.plugins.download = { disable: true }; } if
(KalturaPlayer.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 (KalturaPlayer.plugins["preventSeek"]) {
config.plugins.preventSeek = { preventSeekForward: false, preventSeek: false }; }
config.plugins.floating = { disable: true }; if (KalturaPlayer.plugins["navigation"]) {
config.plugins.navigation = { position: "right", expandMode: "over", expandOnFirstPlay: false, visible:
false }; } if (KalturaPlayer.plugins["hotspots"]) { config.plugins['playkit-js-hotspots'] = { disable: true }; }
if (KalturaPlayer.plugins["moderation"]) { config.plugins['playkit-js-moderation'] = { disable: true }; } if
(KalturaPlayer.plugins["info"]) { config.plugins['playkit-js-info'] = { disable: true }; } if
(KalturaPlayer.plugins["share"]) { config.plugins.share = { disable: true }; } config.ui.uiComponents =
[]; if (KalturaPlayer.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 } }; }
```

```
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"}); } catch (e) { console.error(e.message) }
```

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