

Senior Expert Data Science, Scientific Innovation

Job ID
REQ-10078898
Июн. 23, 2026
США
Available in: English

Сводка

Job Title: Senior Expert Data Science, Scientific Innovation
#LI-Hybrid
Location: Cambridge, USA
No of positions available: 2

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

Join Novartis and help shape the future of drug discovery through data science and artificial intelligence. In this role, you will work at the intersection of scientific innovation and advanced analytics, translating complex biomedical questions into practical artificial intelligence and machine learning solutions that support breakthrough research. As part of the AI for Research team, you will collaborate with scientists, domain experts, and cross-functional partners to accelerate discovery, strengthen scientific rigor, and bring meaningful innovation closer to patients.

About the Role

Key Responsibilities

- Translate complex biomedical questions into scalable artificial intelligence and machine learning solutions
- Collaborate with researchers and domain experts to deliver impactful insights for drug discovery
- Ensure robust model development, validation, and performance across diverse scientific use cases
- Partner with engineering and product teams to deploy and scale artificial intelligence solutions
- Act as liaison between AI for Research and Biomedical Research stakeholders
- Identify high-impact research problems and design data-driven solutions to address them
- Communicate model outcomes, insights, and impact clearly to scientific and leadership audiences
- Co-create and foster cross-functional collaborations to advance artificial intelligence innovation
- Develop meaningful evaluation metrics aligned with real-world scientific and therapeutic impact
- Promote adoption of artificial intelligence methodologies across Biomedical Research teams

Essential Requirements

- Minimum 5 years of experience applying artificial intelligence and machine learning to scientific or biomedical problems
- Expertise in drug discovery domains such as target identification, computational chemistry, or translational medicine
- Strong experience developing, validating, and deploying machine learning models in research environments
- Ability to translate complex research questions into scalable data science solutions
- Excellent stakeholder engagement, communication, and influencing skills across cross-functional scientific teams
- Proven ability to work effectively in complex, matrixed organizations with strong ownership and execution focus

Desirable Requirements

- Experience using Python, R, or Structured Query Language for advanced scientific data analysis
- Familiarity with emerging artificial intelligence methods such as generative artificial intelligence or deep learning

Novartis Compensation and Benefit Summary

The salary for this position is expected to range between 1,38,600.00 - 2,57,400.00 USD Annual.

The final salary offered is determined based on factors such as relevant skills and experience and will be reviewed periodically upon joining Novartis. Novartis may update 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 for annual equity awards.

US-based eligible associates receive a comprehensive benefits package that includes health, life, and disability coverage, a 401(k) plan with company contribution and matching, and a range of additional benefits. Associates are also eligible for a generous time-off package, including vacation, personal days, holidays, and other leave options. 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 \(PDF 30 MB\)](#)

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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.

Дивизион

Biomedical Research

Business Unit

Information Technology

Место

США

Состояние

Massachusetts

Сайт

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

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