Al Scientist

Job ID REQ-10065530

10月 31, 2025

USA

摘要

About the role:

#LI:Hybrid

The Oncology Data Science team in Novartis Biomedical Research (NBR) provides computational biology, Al and data engineering expertise to the Oncology Disease Area across a wide and unique range of novel therapeutics spanning many different drug modalities. Our mission is to harness the transformative power of data and Al to accelerate the development of innovative and transformative medicines for oncology patients worldwide.

We are seeking an enthusiastic AI/ML scientist with curiosity about pre-clinical and clinical drug development to help us accelerate our ground-breaking oncology drug discovery programs. You will join the Oncology Data Science team at NBR Oncology, an outstanding collaborative environment with supportive and enthusiastic colleagues who will help your AI models achieve real-world impact.

About the Role

Key responsibilities:

- Design, develop, implement and apply advanced machine learning algorithms, AI models, and platforms to enable the delivery of predictive insights from pre-clinical, clinical and realworld evidence datasets.
- Demonstrate value of innovative AI techniques in the context of drug target identification, biomolecular interaction modeling, drug development, biomarker discovery, treatment response prediction and clinical trial design.
- Work with foundational models, including pre-trained, self-supervised, multi-purpose, and multi-modal models to advance generative AI applications in drug discovery.
- Collaborate with cross-functional teams to develop and adopt best practices for ML-ready data.
- Contribute to scientific publications and present results at internal and external scientific conferences.

Minimum Requirements:

- This position will be located at either the Cambridge, MA or Basel, Switzerland site and will not have the ability to be located remotely. This position will require 0-3% travel as defined by the business (domestic and/ or international).
- MSc or Ph.D. in Machine Learning, Computer Science, Applied Mathematics, Computational Biology or related field; PhD preferred.
- Minimum of 0-3 years of experience.
- Strong experience in one or more of the following areas: generative AI, agentic AI, biomedical foundation models, geometric deep learning, multi-modal learning, and large-scale knowledge graphs.
- Excellent programming skills and proficiency in deep learning frameworks (PyTorch), with openness to learning new tools and technologies.
- Practical experience across ML and Large Language Models (LLMs) software stack, including feature engineering, model development, deployment, and validation.
- Prior experience working with omics data and familiarity with oncology drug development.
- Excellent communication skills, with the ability to communicate complex data insights and recommendations to cross-functional teams and stakeholders.
- Demonstrated strong research skills, evidenced by publications in top-tier machine learning or artificial intelligence conferences and/or leading scientific journals.

The salary for this position is expected to range between \$103,600 and \$192,400 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.

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

Join our Novartis Network: Not the right Novartis role for you? Sign up to our talent community to stay connected and learn about suitable career opportunities as soon as they come up: https://talentnetwork.novartis.com/network

Benefits and Rewards: Read our handbook to learn about all the ways we'll help you thrive personally and professionally: https://www.novartis.com/careers/benefits-rewards

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 <u>us.reasonableaccommodations@novartis.com</u> 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

Biomedical Research

Business Unit Universal Hierarchy Node

地点 USA

状态 Massachusetts

站点

Cambridge (USA)

Company / Legal Entity U175 (FCRS = US175) Novartis Institutes for BioMedical Research, Inc.

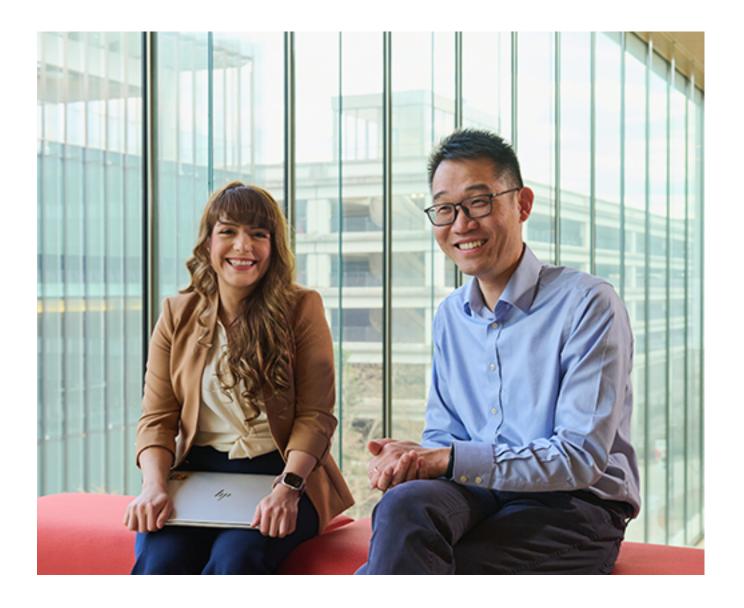
Functional Area Data and Digital

Job Type Full time

Employment Type Regular

Shift Work No

Apply to Job



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- 5. https://novartis.wd3.myworkdayjobs.com/en-US/NovartisCareers/job/Cambridge-USA/Al-ScientistREQ-10065530-1
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