

Senior Computational Biologist / Data Engineer

Job ID
REQ-10064176

10月 22, 2025

USA

摘要

About the role:
Internal Title: Senior Expert I
#LI-Onsite

The Oncology Data Science (OncDS) team in Biomedical Research provides computational biology, AI, and data expertise and brings together projects spanning the entire pre-clinical to clinical development pipeline across a wide and unique range of novel therapeutics. OncDS specializes in using high-throughput genomic and biomarker data for target identification, drug discovery, and clinical development.

We are seeking an enthusiastic Senior Computational Scientist / Data Engineer that can combine data science tools with biological knowledge to perform exploratory data analyses, curate high-quality datasets, build efficient data workflows, and apply automation and AI to ensure accuracy and scalability in our data systems.

Join a team that values curiosity, collaboration, innovation, and growth, and make a meaningful impact at the intersection between cutting-edge science and technology.

About the Role

Key responsibilities:

- Collaborate with cross-functional teams to curate key experimental and omics datasets with an emphasis on quality and correctness to ensure that our complex scientific data are trustworthy
- Perform exploratory data analyses on key experimental and omics datasets
- Evaluate and implement automation tools and Artificial Intelligence / Machine Learning (AI/ML) approaches to enhance data curation and Exploratory Data Analysis (EDA) workflows that increase the speed and accuracy of data handling
- Collaborate with cross-functional teams to develop and adopt best practices for data engineering

Essential Requirements:

- This position will be located at the Cambridge, MA site and will not have the ability to be located remotely. This position will not require travel as defined by the business (domestic and/ or international).
- Ideally advanced degree (PhD, MS, or BS) in computational biology, bioinformatics, data science, computer science, or related field with relevant experience
- A minimum of 5-8 years in either academia or industry working in an equivalent position in computational biology, bioinformatics, data engineering, or related field
- At least 4-5 years of experience working with molecular biology or omics data
- Demonstrated statistical and analytic rigor while performing exploratory data analyses and drawing scientific conclusions from experimental data (e.g., scRNAseq, RNAseq, ChIPseq, DNaseq, proteomics, compound screens, or CRISPR screens)
- Fluent in one or more programming languages with bioinformatics applications (R or Python)
- Knowledge of version control, reproducible workflows, Unix / Linux
- Curiosity, creativity, strong organizational skills, solution-oriented problem solving
- Ability to work independently, prioritize tasks, determine project next steps, manage multiple projects and stakeholders simultaneously
- Excellent written and verbal communication skills, including the ability to explain complex concepts to diverse audiences

The salary for this position is expected to range between \$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.

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>

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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
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

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