

Senior Computational Biologist / Data Engineer

Job ID
REQ-10064626

10月 28, 2025

Switzerland

摘要

Location: Basel, Switzerland or Cambridge, MASS, US.
Full time, hybrid
#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 AI/ML approaches to enhance data curation and 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:

- Ideally an 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, 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

Accessibility and accommodation

Novartis is committed to working with and providing reasonable accommodation to all individuals. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in order to receive more detailed information about the essential functions of a position, please send an e-mail to diversity.inclusionch@novartis.com and let us know the nature of your request and your contact information. Please include the job requisition number in your message

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>

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部门

Biomedical Research

Business Unit

Universal Hierarchy Node

地点

Switzerland

站点

Basel (City)

Company / Legal Entity

C028 (FCRS = CH028) Novartis Pharma AG

Alternative Location 1

Cambridge (USA), Massachusetts, USA

Functional Area

Data and Digital

Job Type

Full time

Employment Type

Regular

Shift Work

No

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