

Expert II / Senior Expert I, Data Science, New Targets

Job ID

REQ-10080133

Jun 11, 2026

LOC_US

About the Role

Key Responsibilities

- Lead the analysis and integration of multi-modal omics datasets, including spatial transcriptomics, proteomics, high-plex imaging, and sequencing-based platforms (e.g., RNA-seq, scRNA-seq, WES, WGS)
- Develop and apply advanced statistical, machine learning, and AI-driven methods to extract actionable biological insights from complex datasets
- Partner with cross-functional teams to design and execute studies supporting target identification, validation, and translational research
- Build and contribute to scalable, reproducible data science workflows and computational pipelines
- Ensure high standards of data quality, reproducibility, and scientific rigor in all analyses
- Evaluate and implement emerging technologies, including AI-assisted coding platforms and agentic tools, to enhance team effectiveness and innovation
- Communicate scientific findings clearly to both technical and non-technical stakeholders
- Contribute to knowledge sharing, best practices, and continuous improvement within the computational biology and data science community

Essential Requirements

- PhD (or equivalent experience) in Computational Biology, Bioinformatics, Statistics, Computer Science, or a related quantitative discipline
- Demonstrated expertise in the analysis of complex omics datasets and at least one of the following: spatial transcriptomics, proteomics, or digital pathology
- Strong programming skills in R and/or Python
- Experience working with high-performance computing (HPC) environments and workflow management systems
- Deep understanding of statistical modeling, machine learning, and data integration methodologies
- Familiarity with AI-assisted coding tools and modern data science productivity platforms
- Strong collaboration and communication skills, with the ability to work effectively in multidisciplinary teams

The salary for this position is expected to range between:

- Expert II: [\$114,100 – \$211,900/year]
- Senior Expert I: [\$126,000 – \$234,000/year]

The final salary and level 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.

Role Requirements

Why Novartis: Helping people with disease and their families ¹/₂ 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 \(PDF 30 MB\)](#)

Division

DIV_RE

Business Unit

Research

Location

LOC_US

Site

Cambridge (USA)

Company / Legal Entity

U175 (FCRS = US175) Novartis Institutes for BioMedical Research, Inc.

Functional Area

FCT_DD

Job Type

Full time

Employment Type

Regular

Shift Work

No

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