NOVARTIS

Human Genetics Data Scientist

Job ID
REQ-10052915

May 30, 2025

USA

Summary

We are seeking a highly motivated human geneticist. The candidate will use their statistical genetics and data science expertise analyzing human genetics and genomics datasets to support early target discovery through cutting edge integrative analysis, collaborating with wet- and dry-lab associates, and clearly communicating key findings leading to data-driven decisions.

This position is part of the Human Genetics & Targets group within the Discovery Sciences (DSc) department in Biomedical Research (BR) at Novartis. The DSc Human Genetics & Targets team is a global group of computational and experimental scientists dedicated to validating or invalidating genetics-driven target hypotheses. The team's extensive expertise in genetics analytics, biology, and translatable models is enhanced by DSc's capabilities in AI, functional genomics, chemical biology, and more. The team collaborates with disease area specialists to not only identify disease associations but also to understand the underlying disease mechanisms and advance drug discovery projects to benefit patients in need.

About the Role

Internal Job Title: Senior Expert I/II, Data Science

Position Location: Hybrid Onsite, Cambridge, MA, #LI-Hybrid

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Your responsibilities will include, but are not limited to:

- Providing statistical genetics expertise for a variety of analyses, including patient stratification and target identification using current statistical genetics methods such as GWAS, ExWAS, MR, and QTL analyses
- Leveraging large population-based cohorts. Working within a team as scientific lead to assist with design and implementation of analysis plans.
- Supporting early target discovery with data mining efforts through integrative analysis of human genetic and genomic datasets
- Collaborating with wet- and dry-lab associates across project teams
- Clearly communicating key findings through interactive data visualizations and presentations

What you'll bring to the role:

- PhD with 3+ years of post graduate work or equivalent experience in statistics, human genetics, bioinformatics, biostatistics, computational biology, data science or related field with hands on experience analyzing human genetic data
- Experience analyzing and interpreting human genetics data is a must
- Familiarity with the analysis of large biobank data: genetic (e.g. genotype array, sequencing), and phenotypic data (e.g. EHR)
- Experience with additional 'omics data (RNA sequencing, epigenetics, proteomics) and NGS data, single cell a plus
- A curiosity for emerging technologies and a willingness to learn new methods and approaches as needed

- Track record of enabling collaborations with interdisciplinary groups of dry and wet lab scientists
- A strong publication record
- Strong communication skills
- Fluency in Python, R, and/or other relevant programming languages
- Ability to work independently and as part of a team

The salary for this position is expected to range between: Senior Expert I, Data Science: $119,700 and $222,300 per year, and Senior Expert II, Data Science: $132,300 and $245,700 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.

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

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:

Biomedical Research

Universal Hierarchy Node

USA

State
Massachusetts

Cambridge (USA)

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

Functional Area
Data and Digital

Full time

Regular

Shift Work
No

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