

Senior Expert Data Science (Human Genetics)

Job ID
REQ-10053847

6月 08, 2025

Switzerland

摘要

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

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

Novartis is committed to building an outstanding, inclusive work environment and diverse teams representative of the patients and communities we serve.

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

Pharma Research

地点

Switzerland

站点

Basel (City)

Company / Legal Entity

C028 (FCRS = CH028) Novartis Pharma AG

Functional Area

Data and Digital

Job Type

Full time

Employment Type

Regular

Shift Work

No

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