

# Expert Data Scientist

Job ID  
REQ-10021934  
Sep 13, 2024  
Switzerland

## Summary

We are recruiting a talented scientist to join our Data Science team in the Discovery Sciences (DSc) department at Novartis Biomedical Research (BR). In this role, you will be at the forefront of translational research, bridging the gap between clinical data and preclinical research.

## About the Role

### Your responsibilities will include to

- Leverage data from repositories of clinical data to identify new therapeutic targets and generate testable hypotheses for validation in preclinical models.
- Connect multimodal clinical and preclinical data (e.g., genomics, proteomics, imaging, histology) to inform early discovery and generate a deep understanding of disease states, disease progression and patient stratification.
- Contribute to our drug discovery engine by designing, using, and improving data science tools to derive new insights from multimodal/multiomic datasets.
- Collaborate with experimental and computational scientists to generate hypotheses, design experiments, analyze and interpret data.
- Communicate data and analyses to broad, multidisciplinary audiences.

## Role Requirements

- You hold a Master's degree or a PhD in a quantitative field such as computational biology, bioinformatics, data science, mathematics, statistics, or physics. Experience working in life science is highly desirable.
- You can communicate complex data-science concepts in digestible terms to diverse scientific audiences.
- Hands-on expertise in using patient and/or clinical data to generate hypotheses is highly desirable.
- You have experience identifying, curating, and integrating large-scale multimodal and/or real world evidence data.
- You can demonstrate scientific curiosity, initiative, and learning agility.
- You can work as part of an interdisciplinary team.
- You have expertise working in Linux high-performance computing and cloud environments.
- You have expertise in scripting programming languages, Python and/or R, and you can demonstrate best practices in building custom scientific software (version control, testing, documentation).
- Experience developing machine-learning models using biological datasets is a plus.

**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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Division

Biomedical Research

Business Unit

Pharma Research

Location

Switzerland

Site

Basel (City)

Company / Legal Entity

C028 (FCRS = CH028) Novartis Pharma AG

Functional Area

Data Science

Job Type

Full time

Employment Type

Regulär

Shift Work

No

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