# NOVARTIS

# Expert Data Science

Job ID
REQ-10019459
Aug 22, 2024
Switzerland

## Summary

Location: Basel, Switzerland (Hybrid - Office) #LI-Hybrid The data science team in Discovery Sciences (DSc) at Novartis Biomedical Research (BR) is looking to hire a new member to join the team. The team is working in a highly collaborative environment at the intersection of biology, chemistry and computational sciences with the aim of discovering new therapeutic targets and ways to modulate them. You will collaborate with scientists from different disease and functional areas across the organization, leveraging data to accelerate and provide novel insights into our drug discovery research. Essentially, you will be the broker between data and the next experiment. To achieve this goal, you will be relying equally heavily on your technical skills to perform cutting edge data science as much as you will be using your soft skills to identify critical needs and to present results in a concise and convincing manner. There are numerous diseases representing unmet medical needs: our call is to address these challenges and to make a lasting impact on global healthcare. Together, we will continue our mission of improving and extending lives around the world. If you are passionate about making a difference in the field of early drug discovery and want to join our dynamic and collaborative team, we encourage you to apply.

## About the Role

**Major accountabilities:**

- Apply state-of-the-art bioinformatic and data science methods to derive novel insights and progress our early drug discovery projects in collaboration with project teams.
- Enable molecular disease understanding and hypothesis generation through the integration of different genome-scale data types in close collaboration with data scientists with complementary expertise (e.g., cheminformatics, imaging analysis, protein structural informatics).
- Serve as a bridge between valuable data assets and project teams to enrich early preclinical hypothesis generation, where possible with insights translated from late-stage clinical data.
- Drive experimental design and communicate analysis outcomes to broad scientific audiences comprising both experimental and computational scientists.
- Act as a broker between biological questions from project teams and the application of appropriate computational tools to identify solutions.

**Role Requirements**

- Master's or PhD in bioinformatics/computational biology, or a wet-lab molecular biology degree with strong hands-on experience in analysing genomics data; alternatively, a degree in a quantitative subject (e.g., computer science, data science, mathematics, physics, chemistry) in combination with demonstrable experience in life sciences/drug discovery.
- Experience in handling genomics data, including both bulk and single cell technologies.

- Demonstrated ability to integrate data across data modalities in order to answer scientific questions, and/or to formulate new biological hypotheses.
- Hands-on experience with deep learning methods highly desirable.
- Ability to present complex data science concepts in digestible terms to diverse scientific audiences leveraging innovative data visualization.
- Strong scientific curiosity, initiative, and learning agility.
- Ability to work as part of an interdisciplinary team (i.e., biologists, chemists, data scientists), with strong communication skills.
- Expertise working in Linux high performance computing and cloud environments.
- Expertise in scripting languages, experience with Python and R scientific stacks.
- Familiarity with best practices in computational reproducible research, literate progamming (e.g., jupyter, R markdown), version control.
- Hands-on experience using major public biomedical research databases (e.g., NCBI, UniProt, OpenTargets, and others).

**Why Novartis?** Our purpose is to reimagine medicine to improve and extend people's lives and our vision is to become the most valued and trusted medicines company in the world. How can we achieve this? With our people. It is our associates that drive us each day to reach our ambitions. Be a part of this mission and join us! Learn more here: https://www.novartis.com/about/strategy/people-and-culture

**You'll receive:** You can find everything you need to know about our benefits and rewards in the Novartis Life Handbook. https://www.novartis.com/careers/benefits-rewards

**Commitment to Diversity and Inclusion:** Novartis is committed to building an outstanding, inclusive work environment and diverse teams' representative of the patients and communities we serve.

**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 inclusion.switzerland@novartis.com and let us know the nature of your request and your contact information. Please include the job requisition number in your message.

**Join our Novartis Network:** If this role is not suitable to your experience or career goals but you wish to stay connected to hear more about Novartis and our career opportunities, join the Novartis Network here: https://talentnetwork.novartis.com/network

**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

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

Regular

Shift Work

No

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

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