

Director, Data Science- Head DAX Data Science

Job ID
REQ-10059183

7月 31, 2025

Switzerland

摘要

The Head of DAX Data Science will create a vision, roadmap and drive the execution of a data science strategy aligned with DAX priorities, including enabling the discovery of translational biomarkers and disease relevant target candidates

We are seeking a visionary and strategic leader to serve as the Head of Data Science for Disease Area X (DAX). This role, reporting to the Department Head and a member of the Leadership Team, will lead a multidisciplinary team of data scientists and computational biologists to drive innovation in drug discovery and translational research. They influence the external environment as a thought leader and are a key contributor to strategic long-term decision-making by Novartis Senior Management.

The ideal candidate will have deep expertise in biomedical data, a strong track record of scientific leadership, and the ability to translate complex data into actionable insights that accelerate therapeutic and biomarker development

About the Role

Major accountabilities:

- Create a vision, roadmap and drive the execution of a data science strategy aligned with DAX priorities, including enabling the discovery of translational biomarkers and disease relevant target candidates.
- Shape, mentor and lead a high-performing team of data scientists and computational experts across global sites, fostering a collaborative and innovative work environment.
- Drive the development of human-centric, data-driven disease in silico models using clinical, genetic, and multi-omic data.
- Drive innovation and continually develop the team's and own knowledge in the areas of statistics, deep learning, Machine Learning, AI and related topics.
- Partner with discovery, clinical, and digital teams to integrate data science into all stages of the R&D pipeline. Collaborate with researchers and clinicians to identify data needs and provide actionable recommendations, communicate through regular interaction the team
- Ensure robust data governance, model validation, and reproducibility standards across all projects.
- Represent the organization in external collaborations, conferences, and consortia to stay at the forefront of biomedical data science.
- Explore and evaluate new data sources to drive Insights and innovation and to identify opportunities for improvement
- As a member of DAX Leadership team, provide input into the DAX overall strategy

Minimum Requirements:

- MS or Ph.D. in Computational Biology, Bioinformatics, Data Science, or a related field.
- 10 + years of experience in biomedical research, with at least 5 years in a Data Science leadership role.
- Proven track record of successfully managing and leading data science teams and/or of applying data science to drug discovery or translational research.
- Experience in applying machine learning algorithms and advanced analytics to biomedical research; Expertise in machine learning, statistical modeling, and multi-omics integration.
- Ability to work collaboratively with cross-functional teams and stakeholders
- Strong communication skills and ability to influence across scientific and executive audiences
- Good coaching and mentoring skills

Preferred Attributes:

- Experience with real-world evidence, biobank data, or clinical trial analytics.
- Familiarity with regulatory considerations for data-driven biomarker development.
- Passion for people development and contributing to transformational medicines

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>

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>

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

[Apply to Job](#)

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



Job ID
REQ-10059183

Director, Data Science- Head DAX Data Science

[Apply to Job](#)

Source URL:

<https://www.novartis.com.cn/careers/career-search/job/details/req-10059183-director-data-science-head-dax-data-science>

List of links present in page

1. <https://www.novartis.com/about/strategy/people-and-culture>
2. <https://talentnetwork.novartis.com/network>
3. <https://www.novartis.com/careers/benefits-rewards>
4. <https://novartis.wd3.myworkdayjobs.com/en-US/NovartisCareers/job/Basel-City/Director--Data-Science--Head-DAX-Data-ScienceREQ-10059183-1>
5. <https://novartis.wd3.myworkdayjobs.com/en-US/NovartisCareers/job/Basel-City/Director--Data-Science--Head-DAX-Data-ScienceREQ-10059183-1>