data42 Medical Affairs Director

Job ID
REQ-10031891

2   11, 2025

Switzerland

Data42 is an innovative data and analytics program that leverages the power of data science and artificial intelligence to transform medical research and development. At Novartis we are reimagining Medicine via scientific innovation and data-driven decision making. Data42 allows us to integrate multimodal data in a securely governed platform. The Data42 team is part of Novartis Biomedical Research, where we discover and develop innovative treatments across several therapeutic areas like Oncology, Immunology, Cardiovascular and Neuroscience.

We are looking for a director-level Real World Data Scientist to join our Data42 team. Your role is to work on innovative solutions to support Novartis's Medical Affairs organization and to leverage our internal and RWD to improve patient care and outcomes. In your role you will connect the Data42 team with our Medical Affairs Organization to deliver high impact with the use of data. We are seeking a scientific leader who wants to combine their medical and regulatory knowledge with cutting edge data science to improve patients' lives. If collaboration energizes you – this role is for you.

Apply today and we can innovate together!

This role will be based in Basel, Switzerland, Dublin, Ireland in a hybrid working approach.

About the Role

This role is all about understanding RWD and clinical data, serving science and innovation, connecting the right skills together to contribute to medical evidence generation. Being part of Biomedical Research, the vision is to empower and inspire Novartis' Research and Development organizations by harnessing inter-connected multimodal and external data in our securely governed platform. You will be a key contributor to the medical affairs data and technology strategy, thus enabling priority enterprise projects. As a leader within data42, you will contribute to the continuous evolution of the data42 team with enthusiasm, cooperation and a collaborative attitude.

Major accountabilities but not limited to:

- Co-create and execute of innovative data analytics solutions with key stakeholders across Medical Affairs.
- Collaborate with cross-functional teams to identify data and co-create analytic applications to support high quality analyses of clinical and real-world data.
- Provide expertise on internal and external regulations, guidelines, and best practices to ensure compliance.
- Stay abreast of emergent applications, trends and insights, and positively drive development of advanced analytic capabilities to ensure data42 continuously evolves as a well-recognized platform that addressed the ever-changing data and analytic environment
- Develop strong internal and external partnerships to promote effective collaborations. Lead by example in promoting a collaborative and entrepreneurial culture and mindset. Be an agent for change and engage support for innovative ideas, methods, technologies, partnerships, and solutions.
- Support project ideation with Medical Affairs stakeholders to execute a data and technology strategy through integrating access to multimodal data (e.g. real-world data, clinical data, genomics, biomarkers, imaging) to support real world evidence generation, and applying innovative methods, models (e.g. in-silico trials), and technology
- Excellent communicator and advocate for data-driven decision-making to align with Novartis' overall strategy and improve patient care outcomes.
- Ensure data42's enablement of priority initiatives for RWE, such as pooling data42 data sources to address innovative evidence needs in a specific disease indication.
- Represent Data42 externally at conferences

Your Experience:

- PhD or MD in a quantitative discipline like statistics or epidemiology with experience across disease areas
- 10+ years in quantitative science leadership roles, with deep understanding of the entire product value chain within the pharmaceutical industry.
- Proven track record in providing impact with RWD applying advanced analytics as well as ML/AI.

- Extensive experience and knowledge in evidence generation, including analyzing clinical and real-world data, and understanding evidence generation study methodologies.
- Strong leadership experience (10+ years), engaging stakeholders at any level of the organization. Operational experience with the end-to-end R&D process and successful guidance of drug programs through clinical development.
- 5+ years' experience in building partnerships and engaging stakeholders at senior levels across the entire product value chain
- Familiar with SQL, Python, R, Jupyter Notebooks etc

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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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

Switzerland

Basel (City)

Company /Legal Entity
CO28 (FCRS = CHO28) Novartis Pharma AG

Alternative Location 1
Dublin (NOCC), Ireland

Alternative Location 2
London (The Westworks), United Kingdom

Functional Area
Research & Development

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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