

Director of Applied AI Research | Data Science (Drug Discovery)

Job ID
REQ-10026102
Oct 29, 2024
Switzerland

Summary

Director of Applied AI Research | Data Science (Drug Discovery)

The AI & Computational Science (AICS) is the dedicated AI team at Novartis Biomedical Research innovating drug discovery. We aim to accelerate discoveries of transformative medicines for patients worldwide. AI & Computational Science (AICS) is seeking a highly motivated and experienced incoming leader in the domain of AI/Machine Learning for Drug Discovery to push the frontier in drug discovery. At AI & Computational Sciences (AICS), you will take on a leadership role at the intersection of science R&D and real-world impact.

About the Role

Key responsibilities

- Have a deep and broad understanding of **AI/machine learning (ML) methods**
- Have a deep understanding of **drug discovery** and relevant AI/ML methods for in-silico/3D **molecule and protein design**, retro/synthesis, molecular dynamics, quantum chemistry...etc.
- Lead efforts in AICS surrounding **Generative Chemistry**
- Take a hands-on role and deliver on highly visible **multiple projects**
- Serve as an ambassador for AI & Data Sciences at Novartis by presenting and publishing articles
- Actively build and lead engagements with academia, technology, and industry partners (e.g., **Microsoft Research**)
- Keep ahead of latest developments in the field and mentor associates
- Be a part of a truly unique organization with an inter-disciplinary team made up of highly accomplished scientists who are **curious**, love to **learn**, and push the **AI** frontier in drug discovery

Role Requirements

- An advanced degree (master's or doctoral) in a quantitative field including but not limited to Computer Science, Applied Mathematics, Astro/Physics, Computational Chemistry, all relevant engineering and science disciplines
- 9+ years of relevant thought leadership/publication track record in machine learning applications and AI/ML methods
- 12+ years of experience in end-to-end analysis for large scale data sets
- Cross-industry experience highly preferred and previous experience in pharma, biotech, or healthcare desired.

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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Division

Biomedical Research

Business Unit

Pharma Research

Location

Switzerland

Site

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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