NOVARTIS

Data Scientist, Senior Expert

Job ID
REQ-10006374
Juil 08, 2024
Inde

Résumé

As a Data Science expert, you will join our Modeling & Simulation Data Science team in the Pharmacokinetics Sciences (PKS) department, Translational Medicine Unit and help us to ignite the power of data science for drug discovery. You will bring your curious, innovative, and collaborative approach to make the best use of the absorption, distribution, metabolism, and excretion (ADME) data generated within our department and use innovative machine learning (ML) methods and statistical techniques to accelerate drug design.

About the Role

Major accountabilities:

- Develop new algorithms, methods, and implement ML models to predict compound properties
- Apply data mining to understand relationships between structure and molecular properties
- Investigate new algorithms or modeling strategies, identify research articles and reproduce/apply innovative methodology to generate insights related to discovery data
- Quickly learn and pilot the use of tools, data sources and analytical techniques needed to answer a wide range of critical business questions
- In collaboration with cross-functional partners, provide scientific and strategic input to support discovery and lead optimization activities
- Deliver clear and concise presentations for audiences with different expertise

Key performance indicators:

- Discoveries -Developments -Experimental methods -Adherence to Novartis policy and guidelines -Project & stakeholder feedback

Minimum Requirements:
Work Experience:

- Advanced degree in a quantitative field (data science, machine learning, computer science, statistics) or life sciences, preferably with multidisciplinary background (cheminformatics, bioinformatics, biomedical engineering, AI/ML in drug discovery or life sciences)
- PhD with 2+ years or MSc with 6+ years of relevant work experience
- Strong understanding of statistics, machine learning and deep learning
- Demonstrated knowledge of data visualization and exploratory analysis
- Knowledge of Python and machine learning/deep learning libraries such as scikit-learn, keras or pytorch
- Experience with reproducible data science tools and practices
- Previous research experience either in academia or industry

- Excellent communication skills and ability to translate analytical concepts for diverse audience and stakeholders (English is our primary language)

Desirable:

- Experience in the application of data science methods to drug discovery
- Experience with generative algorithms and explainable AI
- Expertise in ADME/PK is a plus

Languages :

- English.

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

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Inde
Site
Hyderabad (Office)
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IN10 (FCRS = IN010) Novartis Healthcare Private Limited
Functional Area
Recherche & Développement
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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