

# Data Scientist, Senior Expert

Job ID

REQ-10006374

Juli 08, 2024

Indien

## Zusammenfassung

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>

Abteilung

Biomedical Research

Business Unit

Pharma Research

Ort

Indien

Website

Hyderabad (Office)

Company / Legal Entity

IN10 (FCRS = IN010) Novartis Healthcare Private Limited

Functional Area

Research & Development

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.

iframe{ width: 100%; margin-top: 3rem; } @media screen and (max-width: 767px){ iframe{ height: 30vh !important; } } @media screen and (min-width: 768px){ iframe{ height: 34vh !important; } }

Job ID

REQ-10006374

**Data Scientist, Senior Expert**

[Apply to Job](#)

---

**Source URL:** <https://www.adacap.com/careers/career-search/job/details/req-10006374-data-scientist-senior-expert>

**List of links present in page**

1. <https://www.novartis.com/about/strategy/people-and-culture>
2. <https://talentnetwork.novartis.com/network>
3. [https://novartis.wd3.myworkdayjobs.com/en-US/Novartis\\_Careers/job/Hyderabad-Office/Data-Scientist--Senior-Expert\\_REQ-10006374](https://novartis.wd3.myworkdayjobs.com/en-US/Novartis_Careers/job/Hyderabad-Office/Data-Scientist--Senior-Expert_REQ-10006374)
4. [https://novartis.wd3.myworkdayjobs.com/en-US/Novartis\\_Careers/job/Hyderabad-Office/Data-Scientist--Senior-Expert\\_REQ-10006374](https://novartis.wd3.myworkdayjobs.com/en-US/Novartis_Careers/job/Hyderabad-Office/Data-Scientist--Senior-Expert_REQ-10006374)