

Senior Expert II Data Scientist

Job ID

REQ-10084088

Jul 24, 2026

LOC_IN

About the Role

Major accountabilities:

- Serve as a trusted partner between Data & Digital (D&D) and PKS wet and dry lab teams to identify gaps and translate business needs into strategically aligned solutions within the D&D portfolio.
- Act as a data science representative in Integrated Drug Discovery (IDD) programs, providing scientific and strategic input using experimental and computational data.
- Design, build, and maintain scalable data pipelines, applications, and analytical workflows.
- Develop, deploy, and maintain machine learning models to uncover structure–property relationships and support decision-making.
- Apply statistical analysis and data mining techniques to derive insights from complex biological and chemical datasets.
- Write production-quality, maintainable code following software engineering best practices (testing, version control, documentation).
- Collaborate across cross-functional teams to integrate computational solutions into scientific workflows.
- Identify opportunities for automation, improved data usage, and development of in silico models and digital tools.
- Communicate findings clearly to diverse audiences and contribute to the adoption of data-driven approaches.

Minimum requirement

- PhD in life sciences, computational biology, cheminformatics, bioinformatics, or a related field, and 3-4 years (PhD) / 7-8 overall years of relevant work experience in drug discovery within biomedical or pharmaceutical research settings.
- Strong expertise in machine learning, statistics, and data science workflows applied to drug discovery.
- Proficiency in Python and/or R with solid software engineering practices.
- Experience designing and deploying production-grade data products or ML systems.
- Strong understanding of data visualization and exploratory analysis.
- Excellent communication skills and ability to translate complex concepts into actionable insights.
- Experience in pharmacokinetics (PK), ADME, or PK/PD modeling.
- Familiarity with modern application frameworks or front-end technologies (e.g., JavaScript, Svelte).
- Experience with advanced ML methods such as deep learning or generative models.
- Experience working with large-scale scientific datasets and data platforms.

Role Requirements

Why Novartis: Helping people with disease and their families **1/2** 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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[Read our handbook \(PDF 30 MB\)](#)

Division

DIV_RE

Business Unit

Development

Location

LOC_IN

Site

Hyderabad (Office)

Company / Legal Entity

IN10 (FCRS = IN010) Novartis Healthcare Private Limited

Functional Area

FCT_DD

Job Type

Full time

Employment Type

Regular

Shift Work

No

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