

Senior Principal Data Scientist

Job ID

REQ-10088090

Oct 05, 2026

LOC_US

About the Role

Key Responsibilities

- Build trusted partnerships with scientific, operational, and digital stakeholders across the global research organization.
- Serve as a trusted advisor to US stakeholders, helping shape data and digital opportunities in alignment with business objectives and strategic priorities.
- Drive adoption, stakeholder alignment, and successful implementation of the BR Data Strategy, associated governance frameworks, and supporting data and digital capabilities in alignment with the Complex Modalities Data Domain.
- Lead business analysis, requirements gathering, and discovery activities for scientific data and digital initiatives by translating scientific workflows, business requirements, and strategic objectives into scalable solutions.
- Drive adoption of enterprise platforms, data products, and digital capabilities, with a focus on enabling efficient data capture, data visualization, and automated data flows.
- Lead and co-lead cross-functional and global initiatives through matrix leadership and stakeholder influence, without direct managerial authority.

Essential Requirements

- Advanced degree (Ph.D. or M.Sc.) in Life Sciences, Data Science, Bioinformatics, or a related field.
- 8+ years of experience within pharmaceutical or biotechnology R&D, including experience working across scientific, data, and digital functions.
- Strong understanding of scientific data management, data governance, and research data ecosystems.
- Strong leadership, stakeholder management, project management, and cross-functional collaboration skills.
- Demonstrated ability to translate business challenges into solutions that deliver measurable impact and drive strategic outcomes.
- Excellent written, verbal, presentation, and influencing skills with the ability to communicate effectively at all organizational levels.

Desirable Requirements

- Experience with scientific data platforms, data products, and research data ecosystems.
- Working knowledge of coding languages commonly used in scientific data workflows (e.g., SQL, Python, R) and familiarity with AI-assisted development, automation, and agent-based solutions.
- Advanced expertise in FAIR principles, metadata standards, and enterprise data platforms
- Knowledge of data governance frameworks, metadata management, and data quality practices within a pharmaceutical R&D environment.
- Experience leading teams or large enterprise initiatives.

Why Novartis?

Our purpose is to reimagine medicine to improve and extend people's lives. We use innovative science, technology, and digital capabilities to address some of society's most challenging healthcare issues. Together, we discover, develop, and deliver breakthrough treatments that reach millions of patients worldwide.

Join us and help transform data into insights, insights into innovation, and innovation into better outcomes for patients.

Benefits and Rewards

The salary for this position is expected to range between \$160,300 to \$297,700 per year. The final salary offered is determined based on factors such as relevant skills, experience, qualifications, and market considerations consistent with Novartis pay practices.

Your compensation may include a performance-based cash incentive and, depending on the level of the role, eligibility for annual equity awards.

US-based eligible employees receive a comprehensive benefits package that includes health, life, and disability coverage, a 401(k) with company contributions and matching, and a broad range of additional benefits. Employees are also eligible for a generous time-off package including vacation, personal days, holidays, and other leave programs. Benefits and rewards may vary based on employment status and location.

Role Requirements

Division

DIV_RE

Business Unit

Research

Location

LOC_US

Site

San Diego

Company / Legal Entity

U175 (FCRS = US175) Novartis Institutes for BioMedical Research, Inc.

Functional Area

FCT_DD

Job Type

Full time

Employment Type

Regular

Shift Work

No

[Apply to Job](#)

Job ID

REQ-10088090

Senior Principal Data Scientist

[Apply to Job](#)

Source URL: <https://prod1.jobapi.novartis.com.cn/req-10088090-senior-principal-data-scientist>

List of links present in page

1. <https://prod1.jobapi.novartis.com.cn/req-10088090-senior-principal-data-scientist>
2. https://novartis.wd3.myworkdayjobs.com/en-US/Novartis_Careers/job/San-Diego/Senior-Principal-Data-Scientist_REQ-10088090-1
3. https://novartis.wd3.myworkdayjobs.com/en-US/Novartis_Careers/job/San-Diego/Senior-Principal-Data-Scientist_REQ-10088090-1