

# Preclinical Pipeline Lead- Data42

Job ID  
REQ-10006246  
Jul 08, 2024  
India

## Summary

Responsible for enhancing and operating industry-scale preclinical data pipelines that expose, unify, and harmonize data from thousands of preclinical studies critical to achieving data42 (and partner) objectives.

## About the Role

### Major Accountabilities :

- Work with technical and domain experts (SMEs) to plan and deliver on data42 (and partner) objectives relying on preclinical data assets.
- Supervise the operation of end-to-end data pipelines enabling the delivery of high-value preclinical data.
- Be responsive to new preclinical data needs raised by data42 partners.
- Responsible for the ongoing development, maintenance, and individualization of the preclinical data pipelines
- Support the implementation of essential data quality processes and metrics to ensure high-quality data products are delivered to collaborators.
- Support data unification and harmonization efforts performed by preclinical data SMEs.
- Support the team's semantics approach to ensure data and metadata standards are met.
- Implement and support the FAIR principles through the data pipelines implemented and operated within this role.
- Collaborate with governance bodies and data strategy roles to ensure alignment of activities.
- Support the linking of preclinical data to other data assets including clinical data, in-vitro assay data and molecular/omics data.
- Support strategic decision making around data standards such as CDISC SEND.
- Serve as a single point of contact for all preclinical data pipeline related needs, questions, and concerns within data42.
- Define the roadmap and strategic planning of the preclinical data pipeline team.
- In conjunction with a scrum master, run the team through an agile methodology.

- Collaboratively maintain documentation of the preclinical data pipelines

### Key Performance Indicators

- Demonstration of scalable platform implementation and operation.
- Improving metrics of data quality and FAIR compliance.
- Responsiveness to changes to preclinical data requirements/priorities.
- Collaboration with other data pipeline teams

### **Impact on the organization:**

Drive one of the most important data assets through the data42 platform, at scale, bringing insight-generation opportunities to hundreds of consumers of data42's platform and data

Ideal Background Master's degree or higher in Computer Science, Data Engineering, Biostatistics or Bioinformatics

### **Experience/Professional requirements:**

- 8+ years working with preclinical in-vivo study data e.g. from toxicology and pharmacokinetics studies
- Understanding of preclinical in-vivo study designs, conduct and data collection
- Detailed understanding of CDISC SEND standard
- Experience with big data processing platforms e.g. Spark
- Operational experience running large data operations
- Knowledge of data pipeline and architectural decisions/trade-offs.
- Proficient in SQL. Pyspark experience desirable.
- Experience with semantics technologies and approaches
- Experience working in an environment that leverages agile methodologies.
- Honesty and Transparency are core attributes

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Division

Biomedical Research

Business Unit

Pharma Research

Location

India

Site

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

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