NOVARTIS

Preclinical Pipeline Lead- Data42

Job ID
REQ-10006246
Jul 08, 2024
India

Resumen

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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Functional Area

Research & Development

Job Type

Full time

Employment Type

Regular

Shift Work

No

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