Scientific Data Engineer

Are you motivated to transform scientific research data generation, instrument data capture and data culture to boost traditional scientific research laboratories at Novo Nordisk? Join the Department of Research Applications and work with us to accelerate the path towards new medicines!

About the department

The Department of Research Applications is part of the Computational Research function area, providing scientific informatics solutions to the global research organization in Novo Nordisk. We bridge life science research and computer science by designing, implementing and operating scientific research applications supporting R&D. The Research Applications department currently consists of 16 skilled and dedicated colleagues, being based in Greater Copenhagen area, Beijing and Seattle. As Scientific Data Engineer you will create tools and data pipelines that use the latest technologies in data engineering thus enabling scientists to automate and streamline their daily research. You will utilize your wet lab-experience or domain knowledge of biopharmaceutical R&D processes in combination with a solid understanding of scientific data handling. You will contribute to the transformation of our research into modern, automated and data centric laboratories.

You will work closely with scientists and domain experts from areas like biology, chemistry, protein expression or animal pharmacology, guiding them in streamlining and automating scientific data capture, analysis and visualization.

- You will participate in building the foundation of a new data culture.
- You will guide our scientists in the transformation of their laboratories, serving as a key partner in the access, processing, integration and definition of their data assets.
- You will automate existing manual data processing into Extract-Translate-Load (ETL) operations using fit-for-purpose tools.
- You will help to implement data management systems to improve accessibility and quality of scientific data.
- You will work on designing a framework of accurate data annotations by understanding and collating data and metadata from various sources.
- You will correct, transform and enrich multiple data sources and establish quick and efficient load of bulk data.
- You will contribute to innovation by identifying and evaluating current and emerging scientific application platforms and data trends.

Qualifications

Preferably, you hold a PhD degree in life sciences (e.g. biophysics, structural biology, biochemistry or related field) with a strong background in handling scientific data. Alternatively, you have a degree in computer science or information systems technology with extensive understanding of bioinformatics processes or life sciences. Previous experience in bioinformatical industry in a similar role would be highly favorable.

Essential prerequisite is the knowledge to translate science to code by

- Proficiency in rapid prototyping of software packages and dashboards for functionality and visualization.
- Experience working with databases and knowledge of SQL and non-relational databases.
- Coding experience in Python, R, C, or similar languages.
- Experience in rapid prototyping of software packages and dashboards for functionality and visualization development in e.g. Jupyter, Shiny or Spotfire.

Since all work takes place in multidisciplinary project groups, good interpersonal communication skills and the ability collaborate with domain experts are essential.

Novo Nordisk is an organization with many international employees, and we welcome non-local applicants. Embracing this international environment and eagerness to communicate in English is indispensable.

Working at Novo Nordisk

At Novo Nordisk, you will work with specialists from around the world. Our ambitious teams strive to develop innovative drugs, devices and work toward the next generation of care. Your skills, dedication and ambition help us achieving these goals. In exchange, we offer you an opportunity to work with extraordinary talent and benefit from a range of possibilities for personal and professional development.

Millions rely on us

To work for Novo Nordisk you will need the skills, dedication and ambition to change lives for the better for millions of patients living with diabetes and other chronic diseases. In exchange, we offer the chance to be part of a truly global workplace, where passion and engagement are met with opportunities for professional and personal development.

Contact

For further information, please contact Christian Luber at +45-307-554-35.

Deadline: February 28th, 2020

Applications will be reviewed continuously, and interviews will be scheduled on an ongoing basis.

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