NOVARTIS

Data science intern

Job ID
REQ-10028270
Oct 31, 2024
Switzerland

About the Role

The Oncology Department of Novartis Biomedical Research in Basel, Switzerland is looking for a data science intern to work on computational biology and software/data engineering projects for up to 6 months. The intern will contribute to the development and maintenance of research pipelines of high throughput sequencing data (e.g., RNA-seq, single cell, low pass WGS).

You will join an enthusiastic team of cancer computational biologists who are passionate about using data science to better understand and combat cancer. You will learn to process, store and analyze heterogeneous datasets and be in a unique position to develop a broad understanding of the cutting-edge computational approaches used in the early stages of drug discovery.

Start date: as soon as possible

Duration : 6 months

Responsibilities:

- Development and maintenance of research pipelines,
- Integration of pipelines in an existing monitoring dashboard system,
- Benchmark pipelines in different execution environments.

Requirements:

- Master's student or recent master's degree in a quantitative field (e.g., bioinformatics, computational biology, data science, computer science) or equivalent experience, ideally obtained within 6 months of the potential starting date,
- Solid programming skills, in Python and/or R,
- Experience with workflow management systems, (e.g., Snakemake, WDL),
- Highly motivated and curious, with a keen interest in learning,
- Good communication and organizational skills,
- Excellent written and oral English

Optional but desirable skills:

- Some experience with high throughput sequencing data,
- Some knowledge of dashboards for visualization (e.g., Dash or/and Shiny),
- Knowledge of best practices for reproducible research (e.g., version control, conda, container technologies).

Accessibility and accommodation:

Novartis is committed to working with and providing reasonable accommodation to all individuals. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in order to receive more detailed information about the essential functions of a position, please send an e-mail to diversity.inclusion_ch@novartis.com, and let us know the nature of your request and your contact information. Please include the job requisition number in your message.

Role Requirements

Why Novartis: Helping people with disease and their families 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

Join our Novartis Network: Not the right Novartis role for you? Sign up to our talent community to stay connected and learn about suitable career opportunities as soon as they come up: https://talentnetwork.novartis.com/network

Benefits and Rewards: Read our handbook to learn about all the ways we'll help you thrive personally and professionally: https://www.novartis.com/careers/benefits-rewards

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Pharma Research
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Job Type
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Employment Type
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