Data Scientist, Epigenetics (80-100*)

*Note: This job is currently not active.*

Job ID
285437BR

Position Title
Data Scientist, Epigenetics (80-100*)

Apply to Job

Job Description

98.5! This is the percentage of DNA that is not translated into proteins. Often referred to as junk-DNA, it actually contains critical information about gene regulation and transcriptional control.

Do you enjoy integrating transcriptomic and epigenomic profiling data? Are you interested in identifying the gene regulatory networks driving chronic liver disease such as NASH? Do you like working in cross-functional and multidisciplinary teams? We have something that will be of interest to you!

We are seeking a curious, talented and highly motivated data scientist for a position jointly hosted by the Chromatin Chemical Biology and Data Science groups in the department of Chemical Biology and Therapeutics at the Novartis Institutes for BioMedical Research in Basel, Switzerland. We are a global, cross-functional, interdisciplinary group of scientists who collaboratively design, execute and analyze chromatin profiling experiments.
• Drive project progression and decision making by rapid prototypes integrating domain knowledge, computation and statistics
• Identify, develop, and implement innovative analytical methods and algorithms to provide a rich interpretation of the data; Contribute to data science community
• Integrate data from different domains and sources in a reproducible and actionable fashion to help start new or progress ongoing projects
• Work independently in an interdisciplinary team on large-scale preclinical and clinical data to reveal hidden insights
• Explore and visualize data interactively in collaboration with bench scientists

Imagine what you could do at Novartis

Minimum requirements
What you will bring to the role:

• A desire to relentlessly challenge the status quo to improve, increase and enhance early translational drug discovery by looking beyond the protein coding genome and imagine the impossible
• Excellent scripting skills in Python, as well as good knowledge of R, Linux and SQL
• Domain knowledge on epigenetics, as well as demonstrated experience with
integration of multi-omics data
• Experience with analysis of primary human tissues, along with understanding of single cell analysis
• Proficiency with making data easily accessible to collaborators (e.g. Shiny, Dash), and experience with cloud computing

Desirable requirements:

• PhD in bioinformatics in areas related to transcriptional control or epigenetics; Wet lab experience is a plus
• Familiarity with workflow management systems (e.g. Snakemake, Nextflow, Cromwell/WDL, Knime)

Why consider Novartis?

750 million. That’s how many lives our products touch. And while we’re proud of that fact, in this world of digital and technological transformation, we must also ask ourselves this: how can we continue to improve and extend even more people’s lives?
We believe the answers are found when curious, courageous and collaborative people like you are brought together in an inspiring environment. Where you’re given opportunities to explore the power of digital and data. Where you’re empowered to risk failure by taking smart risks, and where you’re surrounded by people who share your determination to tackle the world’s toughest medical challenges.

We are Novartis. Join us and help us reimagine medicine.

*Some restrictions on flexible working options may apply and will be discussed during interview if applicable.