Data Scientist / Structural Cheminformatics Analyst (80-100%)

Job ID
274202BR

Position Title
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Job Description
More than 100,000 people across 140 countries are working for Novartis to discover, develop and successfully market innovative products to prevent and cure diseases, to ease suffering, and to enhance the quality of life.

We are looking for a highly motivated data scientist with expertise in protein-ligand structure modelling who wants to advance drug discovery projects through innovative analytics in a cross-functional environment. You will join the Chemical Biology and Therapeutics Data Science (CBT DS) group at Novartis Institutes for Biochemical Research (NIBR). We are an interdiscipliary, global group of chem- and bioinformaticians, and data engineers, who together are brokers between data and the next wet-lab experiment. This is a unique opportunity to bring your modelling expertise to an interdisciplinary environment at the intersection of
contextualization
- Integrate structural insights with protein networks, pathways, and other chemogenomics data
- Early drug discovery project in silico support
- Identify data analysis needs of early-stage drug discovery projects by working closely with biologists, chemists, and screening scientists
- Execute on project needs effectively and efficiently by developing and leveraging reusable data analysis workflows, tailored to the needs of the project
- Communicate data-driven insights with clear recommendations on the next Experiment

Minimum requirements

What you'll bring to the role:
- PhD in biology, chemistry, bioinformatics, or related areas,
- Several years of significant experience post PhD in structural biology and modelling, as well as working with interdisciplinary teams in a drug discovery setting
- Fluent English
- Background in Biology, Chemistry, or related field with solid understanding of chemical biology
• Proven track record of cross-disciplinary collaboration and exceptional teamwork skills in a drug discovery or chemical biology setting
• Experience in protein structure modelling
• Demonstrated ability to develop, implement, and apply project-tailored analysis workflows to answer scientific questions
• Hands-on experience with analysis of experimental results; in particular, utilization of structural information to guide experiment design and analysis
• Practical experience with a scripting language (Python, R, Matlab), as well as protein modelling tools
• Experience using scientific computing in a life-science environment
• Excellent scientific communication skills and effective data visualization skills

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 empowered to ask new questions, make bolder decisions and take smarter risks.

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

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