Data Scientist/Computational Chemist (80-100%*)

Job ID
REQ-10024306

10   04, 2024

Switzerland

At Novartis, we are reimagining medicine to improve and extend people's lives. We use innovative science and technology to address some of society's most challenging healthcare issues. We discover and develop breakthrough treatments and find new ways to deliver them to as many people as possible. In 2020, we touched >800 million patients with our products. How can we continue to advance our science to help even more patients in need? We believe the answers are found when curious, courageous, and collaborative people are empowered to ask new questions, make bolder decisions, and take smarter risks.

In Global Discovery Chemistry (GDC) of Biomedical Research in Basel, Switzerland, we are at the core of Novartis' purpose. We are looking for a highly motivated, passionate researcher with a strong scientific background in data science and/or computational chemistry, a curious mind-set, and cultural agility to invent innovative medicines and advance the frontiers of drug discovery. Join us and help reimagine medicine!

About the Role

Your responsibilities will include, but are not limited to:

- Work collaboratively in a multidisciplinary team to discover and develop novel therapies across various disease areas.
- Apply, develop and integrate state-of-the-art machine-learning, cheminformatics and physics-based algorithms to accelerate and impact in our portfolio projects.
- Apply data science and statistical methods to develop scientific hypotheses and contribute to data driven drug discovery.
- Combine machine learning with physics-based methods to build & automate advanced computational workflows to enhance our medicinal chemistry projects.
- Discuss and communicate scientific results at project and group meetings, decision boards, and external conferences
- Contribute to patent inventorship and scientific publications
- In addition to pipeline project responsibilities, participate in global initiatives shaping the future of drug discovery at Novartis

What you will bring to the role:

- Advanced degree in data science, machine learning, computational chemistry, or related field. Candidates with an experimentalist background and strong computational and/or data science experience are also encouraged to apply.
- Experience in scientific software development/programming (2-3 years), e.g. SOTA ML/scientific software libraries, RDKit, ML Ops, and the scientific Python tech stack.
- Experience in computer-aided drug design, e.g. structure/ligand-based drug design, molecular dynamics, virtual screening, pharmacophore modeling, is beneficial.
- Demonstrated track-record of initiating, leading, or being a key contributor to cutting edge research in data science, machine learning, computational chemistry or life sciences
- An attitude of curiosity, innovation, teamwork, and receptiveness to diverse perspectives, coupled with a passion for personal and professional growth
- Critically interpret results, build new experimental hypotheses, take calculated risks and smart decisions
- Ability to work in a fast-paced team-oriented matrix environment
- Excellent oral and written communication and strong influencing skills

Why Novartis

Our purpose is to reimagine medicine to improve and extend people's lives and our vision is to become the most valued and trusted medicines company in the world. How can we achieve this? With our people. It is our associates that drive us each day to reach our ambitions. Be a part of this mission and join us!

Learn more here: https://www.novartis.com/about/strategy/people and culture

We offer plentiful benefits, state-of-the art facilities and helpful resources – all designed to help you thrive personally as well as professionally. You can find everything you need to know about our benefits and rewards in the Novartis Life Handbook. https://www.novartis.com/careers/benefits

rewards

Join our Novartis Network: If this role is not suitable to your experience or career goals but you wish to stay connected to hear more about Novartis and our career opportunities, join the Novartis Network here: https://talentnetwork.novartis.com/network

- Restrictions on working flexibility may apply to this position and can be discussed at interview as required

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 inclusion.switzerland@novartis.com and let us know the nature of your request and your contact information. Please include the job requisition number in your message.

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

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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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Biomedical Research

Business Unit
Pharma Research

Switzerland

Basel (City)

Company / Legal Entity
C028 (FCRS = CH028) Novartis Pharma AG

Functional Area
Data and Digital

Job Type
Full time

Employment Type
Regulär

Shift Work
No

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