NOVARTIS

Internship in Data Science

Job ID
REQ-10041497

2 20, 2025

Switzerland

In Discovery Science, we work in the early stages of drug discovery. One of our main approaches is High Throughput Screening (HTS), where we test hundreds of thousands of compounds in biological assays. We have acquired large data sets which we seek to exploit for in silico methods.

About the Role

We are seeking a motivated intern to join our team and work on building property prediction models in early drug discovery. The primary focus will be on developing a prediction model for frequent hitter identification and hit prioritization. This will involve analyzing screening results in correlation with chemical structures and chemotype classes. This role offers a unique opportunity to interact with a diverse team of data scientists, biologists, and chemists, providing a holistic view of the drug discovery process

Preferred start date: May 2025

Duration: 3-6 months

Please attach a cover letter explaining your motivation for this position and let us know when you are available. Thank you very much.

Key Responsibilities:

- Develop and implement models for activity prediction in early drug discovery.
- Collaborate closely with data scientists, biologists, and chemists to integrate multidisciplinary insights.
- Analyze and interpret complex datasets to drive meaningful conclusions.

What We Offer:

- Hands-on experience in a cutting-edge research environment.
- Mentorship from experienced professionals in the fields of data science, computational chemistry, and biology.
- A collaborative and supportive team culture.

Minimum Requirements:

Currently pursuing or recently completed a master degree (within the last 6 month) in Data Science, Computational Chemistry, Computational Biology, or a related field.

Qualifications:

- Currently pursuing or recently completed a master degree (within the last 6 month) in Data Science, Computational Chemistry, Computational Biology, or a related field.
- Strong analytical and problem-solving skills.
- Experience with Python, machine learning, cheminformatics and statistics.
- Excellent communication and teamwork abilities.

Languages :

- English.

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

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

Diversity & Inclusion:

We are committed to building an outstanding, inclusive work environment and diverse teams representative of the patients and communities we serve.

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 any order to receive more detailed information about 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.

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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: talentnetwork.novartis.com/enUS/network

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Business Unit
Pharma Research

Switzerland

Basel (City)

Company / Legal Entity
CO28 (FCRS = CHO28) Novartis Pharma AG

Functional Area
Others

Job Type
Full time

Employment Type
Early Career (Fixed Term)

Shift Work
No

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