Data Science Innovation Fellow, Multimodal Neuroscience

Job ID
REQ-10013277

6月 27, 2024

Switzerland

摘要

275 million years of life were prematurely lost due to neurological conditions in 2021. We are now looking for a Data Science Innovation Fellow to join us in our mission to develop disease-modifying treatments for some of the most common, debilitating neurodegenerative diseases. Leveraging rich real-world data from patients, you will develop cutting-edge multimodal approaches to investigate neurodegenerative disease progression and work together with our drug discovery teams to incorporate data science insights into our programs. This applied 3-year Data Science Innovation Fellowship program is set to change the way we approach drug discovery, offering fellows a unique chance to train in Data Science and AI for biomedical research. As a talented fellow, you will learn to apply your computational skills to make a difference for patients and reimagine medicine at Novartis. Drug hunting is a team sport, and you will gain experience in data science and AI for drug discovery as part of a multi-disciplinary team in Biomedical Research. You will drive innovation by deploying cutting-edge data approaches in collaboration with a vibrant and diverse community of over 300 data scientists globally. The program provides a unique platform to work on real-world, biomedical data at scale, rarely accessible in academia. Under the guidance of experienced mentors, you ’ ll embark on a journey of professional growth, benefiting from a tailored training program with built-in time for a mini-sabbatical in other areas of Novartis and for attending conferences/workshops. Biomedical Research is the home of a vibrant postdoctoral community connected through science and events

supporting the professional growth of our fellows, including monthly seminars and an annual Research Day Symposium. Seize this chance to be at the forefront of Data Science and AI and shape the future of drug discovery! Start date: Autumn 2024

About the Role

Location: Basel

#LI Hybrid

About the role

Key responsibilities

As a Data Science Innovation Fellow, you will:

- Leverage your curiosity and creativity to investigate complex biological problemsin drug discovery of neurodegenerative disease.
- Design computational workflows to integrate real-world data from patients with molecular readouts.
- Apply cutting-edge multimodal AI approaches across multiple data modalities, incl. clinical data, imaging, genetics, omics ' , metabolomics.
- Empower our teams by collaborating with interdisciplinary groups, presenting findings, and communicating complex concepts to stakeholders.

Role requirements

- PhD in a statistical or quantitative field such as computer science, data science, computational biology, mathematics, statistics, or physics, or a related field (PhD students in the last year of their thesis work, are eligible to apply).
- Experience in applying machine learning to biomedical or biological problems, and experience in data manipulation, cleaning, and preprocessing techniques.
- Experience working with multiple data modalities or omics data (genomics, proteomics, transcriptomics, etc.) is a plus.
- Strong understanding of statistical analysis, mathematical modeling, and machine learning algorithms.
- Proficiency in Python, R with experience in frameworks and libraries commonly used in machine learning and AI, such as TensorFlow, PyTorch.
- Excellent analytical, communication, presentation and organizational skills.
- Passion for research and boundless curiosity.

#DSIF

How to apply

Please submit your CV and cover letter by **July 29** for consideration. Please make sure to discuss in the cover letter how this training program will help you fulfill your career goals.

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 tru ste d 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

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.inclusionch@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

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

部门
Biomedical Research

Business Unit
Pharma Research

地点
Switzerland

站点
Basel (City)

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

Job Type
Full time

Employment Type
Early Talent (Fixed Term)

Shift Work
No

Apply to Job

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