Data Science Innovation Postdoctoral Fellow, Diseases of Aging and Regenerative Medicine

Job ID
REQ-10057301

9月 02, 2025

USA

摘要

We are thrilled to seek applications for our Data Science Innovation Fellowship track of the Novartis Postdoctoral Fellowship Program.

This applied research program is designed 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 fellow, you will learn to apply your quantitative and computational skills to make a difference for patients and reimagine medicine at Novartis.

As part of the Data Science Innovation Fellowship track of the Novartis Postdoctoral Fellowship Program, you will join our vibrant, dedicated postdoctoral community for events, including the monthly postdoc seminars and other scheduled events for postdocs. Fellows are surrounded by a supportive, collaborative community of postdocs and scientists, who would contribute to the acceleration of your scientific growth, along with building your professional skillset, e.g. you will have the opportunity to do a Postdoc Practicum in another laboratory or in a business function of Novartis. This applied research program is up to 3 years in length, with the option of applying for an extension of up to 1 year

(pending review by the Head of Biomedical Education & Innovation and the postdoc supervisor).

Drug hunting is a team sport, and you will gain experience in Data Science & 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. Seize this chance to be at the forefront of Data Science and AI, and shape the future of drug discovery!

About the Role

Internal Job Title: Innovation Postdoctoral Fellow

Position Location: onsite, San Diego, CA #LI-onsite

The Diseases of Aging and Regenerative medicine (DARe) Disease Area is seeking a highly motivated and talented Data Science Innovation Postdoctoral Fellow to join our Translational and Data Science Team in San Diego. This is an exciting opportunity to work in a versatile and multidisciplinary team to develop analytical methods to quantify and study aging by integrating across various data modalities. In this position, the postdoctoral fellow will have the opportunity to work with patient samples, large multi-omics datasets and state-of-the-art technologies including scRNAseq, bulkRNAseq, proteomics, metabolomic and imaging. The ideal candidate will have a robust background in data science, bioinformatics, or a related field, with a proven track record of handling complex datasets and applying advanced analytical techniques.

Through the Novartis Postdoctoral Fellowship Program, you will build your competency as a drug hunter, and as a scientific leader in the field. You will join a professional network that will support your growth as a research scientist, and you will have the opportunity to tackle disease and make an impact, by reimagining medicine together.

Start date: September 1st 2025

Key responsibilities:

As a Data Science Innovation Postdoctoral Fellow, you will:

- Work independently as well as with interdisciplinary teams
- Develop analytical methods to quantify and study aging
- Work on the complete data analysis workflow: defining problems, data collection, data

cleaning and wrangling, exploratory and confirmatory analyses, data visualization and storytelling
- Innovate and drive forward-thinking research initiatives.
- Develop and nurture relationships with key collaborators and stakeholders
- Present research findings and insights at internal and external meetings
- Stay updated with the latest research trends and advancements

Role requirements:

- PhD in quantitative science such as biology, medical science, computational biology or a related discipline
- Note that PhD students in the last year of their thesis work are eligible to apply. Applicants are only eligible to apply up to 2 years from the date of receiving their PhD (i.e. PhD degrees must have been awarded May 2023 or later).
- Experience in using omics data to study aging
- Experience in integrating and interpreting multiple data modalities
- Strong publication record or other scientific achievements (i.e. awards, patents, grants)
- Excellent analytical, communication, presentation and organizational skills
- Passion for fundamental exploratory research and boundless curiosity

How to apply:

Please submit your CV and cover letter by September 1st 2025 for consideration. Please make sure to discuss in the cover letter how this training program will help you fulfill your career goals.

The starting salary for this position is $87,000 per year.

US-based eligible employees will receive a comprehensive benefits package that includes health, life and disability benefits, a 401(k) with company contribution and match, and a variety of other benefits. In addition, employees are eligible for a generous time off package including vacation, personal days, holidays and other leaves. #PDX #DSIF

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

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

EEO Statement:

The Novartis Group of Companies are Equal Opportunity Employers. We do not discriminate in recruitment, hiring, training, promotion or other employment practices for reasons of race, color, religion, sex, national origin, age, sexual orientation, gender identity or expression, marital or veteran status, disability, or any other legally protected status.

Accessibility & Reasonable Accommodations

The Novartis Group of Companies are committed to working with and providing reasonable accommodation to individuals with disabilities. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the application process, or to perform the essential functions of a position, please send an e-mail to us.reasonableaccommodations@novartis.com or call +1(877)395-2339 and let us know the nature of your request and your contact information. Please include the job requisition number in your message.

部门
Biomedical Research

Business Unit
Universal Hierarchy Node

地点
USA

状态
California

站点
LaJolla/SD

Company / Legal Entity
U175 (FCRS = US175) Novartis Institutes for BioMedical Research, Inc.

Functional Area
Research & Development

Job Type
Full time

Employment Type
Regular

Shift Work
No

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REQ-10057301

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