NOVARTIS

Discovery Postdoctoral Fellow, Disease of Aging and Regenerative Medicine (DARe)

Job ID
REQ-10092517
Ноя. 16, 2026
США

Сводка

We invite applications from curious, motivated early-career scientists who are excited to tackle challenging questions in biomedical research and drug discovery through the Novartis Biomedical Research Postdoctoral Fellowship Program.

As a Postdoctoral Research Fellow, you will join Diseases of Aging and Regenerative Medicine (DARe) in San Diego and develop and lead a hypothesis-driven research project with guidance from experienced scientific mentors and support from multidisciplinary collaborators. You will gain exposure to the broader ecosystem that translates scientific discovery into medicines.

Our fellows are empowered to ask bold scientific questions, apply cutting-edge technologies, and develop approaches that have the potential to transform patient care.

About the Role

Position Location: San Diego, CA, USA (Onsite)

* Novartis is unable to offer relocation support for this role: please only apply if this location is accessible for you.

* This position is not eligible for visa sponsorship. Please only apply if you are currently authorized to work in the US for the 3 year duration of the program.

About the Role:

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Research Opportunity:

The Diseases of Aging and Regenerative Medicine (DARe) department at Novartis investigates how the biology of aging contributes to disease and how these insights can be translated into transformative medicines. Our mission is to restore cell and tissue function by targeting the fundamental mechanisms that drive age-related decline across multiple disease areas.

We are seeking an exceptional Discovery Postdoctoral Fellow to join DARe in San Diego and develop an independent research project focused on understanding how the aging immune system influences tissue function, regeneration, and disease susceptibility. The fellow will have substantial freedom to shape the project direction and build an independent scientific profile through high-impact publications, presentations, and external collaborations. The fellow will collaborate with scientists in regenerative biology, immunology, data science, screening sciences, translational research, and therapeutic-area biology, while receiving regular guidance from scientific mentors.

Projects may leverage organoid systems, functional genomics, advanced imaging, single-cell profiling, genetic perturbation technologies, and mouse disease models. Applicants should be comfortable conducting mouse studies, including tissue collection, downstream profiling, and primary culture establishment. Fellows will have access to Novartis' cross-disciplinary research ecosystem spanning human genetics, advanced screening, translational research platforms, and expertise across multiple therapeutic areas.

Why Join the Program?

The Novartis Biomedical Research Postdoctoral Fellowship Program is designed to develop the next generation of scientific leaders and power the future of medicine through rigorous research and immersive learning experiences. Fellows will also have opportunities to explore how computational and AI-enabled approaches can complement experimental biomedical research, based on project needs and professional interests.

Postdoctoral Research Fellows benefit from:

- Guidance from accomplished scientific leaders and subject matter experts
- Access to advanced technologies, platforms, and research capabilities
- Collaboration across disciplines and organizational boundaries
- A global postdoctoral cohort and a thriving local community of postdoctoral fellows and supervisors at the San Diego site
- Dedicated programming designed to help fellows thrive throughout their careers.
- A personalized Postdoc Practicum that allows fellows to explore new scientific areas, gain cross-functional experience, and expand their impact beyond their primary research project
- Opportunities to present research, publish in leading journals, and build an international scientific network

Fellows will be supported in engaging with emerging computational and AI-enabled approaches where these can strengthen their research.

This is a full-time training position of up to three years in duration.

Reimagining Medicine Together

At Novartis, our purpose is to reimagine medicine to improve and extend people's lives. This fellowship is an opportunity to uncover fundamental biology, grow as a scientist and future leader, and contribute to discoveries that may ultimately benefit patients worldwide.

Start Date

The start date is between December 2026 and March 2027. Please confirm your availability within this window in your cover letter.

Key Responsibilities:

- Develop and lead an independent, hypothesis-driven research project with guidance from experienced scientific mentors and support from multidisciplinary collaborators.
- Develop and apply advanced in vitro and in vivo model systems, including mouse models, to investigate how age-associated changes in the immune system influence tissue function, repair, and regeneration.
- Design, perform, and interpret molecular, cellular, and *in vivo* experiments to uncover mechanisms linking aging to tissue dysfunction.
- Develop innovative experimental and analytical approaches to investigate mechanisms of tissue regeneration, aging, and cellular plasticity.
- Communicate scientific findings through publications, internal meetings, and presentations at external scientific conferences.
- Collaborate with scientists in regenerative biology, immunology, data science, screening sciences, translational research, and therapeutic-area biology.

Essential Requirements:

- This opportunity is designed for scientists pursuing their first postdoctoral experience following PhD training. Applicants must complete all requirements for a PhD or equivalent doctoral degree before the fellowship start date. Applicants whose degree will be conferred in 2027 are eligible to apply; candidates whose degree is conferred in Q4 2026 may also be considered based on the timing of their thesis defense. Please confirm that you will meet these requirements and provide the necessary documentation in your application.
- Demonstrated record of scientific achievement (publications, presentations, patents, or equivalent) and ability to independently drive research projects.
- Strong commitment to learning, innovation, and professional development
- Strong scientific background in immunology, aging biology, regenerative biology, developmental biology, stem cell biology, cell biology, or related discipline.
- Ability to conduct mechanistic studies to generate, test, and validate biological hypotheses.
- Demonstrated hands-on experience in molecular, cellular, and *in vivo* biology, including cell, organoid, or *ex vivo* culture; imaging; phenotypic analysis; genetic perturbation approaches; and assay development.
- Ability to work independently and collaboratively in a matrix environment.

Desirable Requirements:

- Experience investigating tissue-immune interactions in the context of aging, regeneration, or disease.
- Experience with animal models, tissue harvesting, downstream tissue profiling, and primary culture establishment.

How to Apply:

Please submit your CV and cover letter. Applications will be reviewed as they are received.

In your cover letter, please describe your research interests, career aspirations, and how participation in the Novartis Biomedical Research Postdoctoral Fellowship Program will support your long-term development. Please confirm in your cover letter that you will have completed all PhD requirements prior to the fellowship start date and indicate your expected or actual degree conferral date.

Compensation & Benefits:

The starting salary for this position is 87,000 USD 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.

To learn more about the culture, rewards and benefits we offer our people clickhere.

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: Learn about all the ways we'll help you thrive personally and professionally.
Read our handbook (PDF 30 MB)

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.

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