

# Principal Scientist - Neurodegeneration

Job ID  
REQ-10012978  
Jul 26, 2024  
USA

## Summary

Novartis is committed to creating a transformational impact for people living with severe neurological conditions and their caregivers by discovering, developing and delivering innovative medicines. As a Principal Scientist, you will bring your expertise in molecular and cellular neuroscience to address key scientific questions related to neurodegeneration, protein aggregation, neuronal cell and organelle biology, and neuroinflammation. You will lead project design, execution, and report generation by applying cell-based assays and investigating preclinical models to support the discovery, validation and characterization of novel targets and therapeutics.

## About the Role

Key Responsibilities:

- Contribute to creating and developing novel therapeutic strategies for Parkinson's disease, with an emphasis on mitochondrial/lysosomal function and dysfunction. Communicate project strategy, scientific vision, and data to key stakeholders.
- Lead and/or engage in the design, execution, and analysis of experiments to deliver high quality data and enable project decisions. Deliver impact to projects by following both technical and conceptual trends in the neurodegeneration field.
- Develop and integrate models of Parkinson's disease using both in vitro and in vivo systems in collaboration with multi-disciplinary teams in BR.
- Collaborate with multidisciplinary teams, consisting of experts in molecular biology, drug discovery, and biochemistry. Expertly relay information to all levels of the organization, as well as with our external partners and collaborators.

Minimum Requirements:

- Master's Degree in Neuroscience, Cell biology or a closely related field, and 6+ years of specific expertise on the molecular and cellular mechanisms of Parkinson's Disease.
- A deep understanding of the pathophysiology of Parkinson's disease and its interface with cell biological mechanisms, preferably related to mitochondrial and lysosomal pathways.
- Demonstrated expertise in establishing both in vitro and in vivo models of Parkinson's disease to study disease progression and mechanisms.
- Exceptional proficiency in various laboratory methodologies within neuroscience and neuronal cell biology including biochemistry, imaging and molecular profiling.
- Excellent problem-solving skills, diligent attention to detail, and the ability to work both independently and

as a member of a complex matrix teams. Thinking creatively to tackle scientific and operational challenges in a fast-paced drug discovery environment

- Strong organizational, interpersonal, and communication skills. Proven track record in leading collaborative projects.
- Strict adherence to compliance with institutional policies, laboratory safety and animal welfare guidelines, and regulatory requirements.

Preferred Qualifications:

- PhD and related Post-Doc
- Experience in human iPS-derived neuronal models.
- Experience in stereotaxic surgeries in rodents.

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>

You'll receive:

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>

Commitment to Diversity & Inclusion: Novartis is committed to building an outstanding, inclusive work environment and diverse teams' representative of the patients and communities we serve.

Accessibility and 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 in order to perform the essential functions of a position, please send an e-mail to [tas.nacomms@novartis.com](mailto:tas.nacomms@novartis.com) 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.

Novartis Compensation and Benefit Summary: The pay range for this position at commencement of employment is expected to be between **\$107,000 - \$160,000**/year; however, while salary ranges are effective from 1/1/24 through 12/31/24, fluctuations in the job market may necessitate adjustments to pay ranges during this period. Further, final pay determinations will depend on various factors, including, but not limited to geographical location, experience level, knowledge, skills, and abilities. The total compensation package for this position may also include other elements, including a sign-on bonus, restricted stock units, and discretionary awards in addition to a full range of medical, financial, and/or other benefits (including 401(k) eligibility and various paid time off benefits, such as vacation, sick time, and parental leave), dependent on the position offered. Details of participation in these benefit plans will be provided if an employee receives an offer of employment. If hired, employee will be in an "at-will position" and the Company reserves the right to modify base salary (as well as any other discretionary payment or compensation program) at any time, including for reasons related to individual performance, Company or individual department/team performance, and market factors.

Join our Novartis Network: If this role is not suitable to your experience or career goals but you wish to stay connected to learn more about Novartis and our career

opportunities, join the Novartis Network here: <https://talentnetwork.novartis.com/network>

**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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Division

Biomedical Research

Business Unit

Pharma Research

Location

USA

Site

Cambridge (USA)

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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Major Accountabilities ~ Steigern Sie Ihr wettbewerbsfähiges Umsatzwachstum ~ Identifizierung und Priorisierung von Kunden mit hohem Potenzial durch Datenanalyse (HCPs und Stakeholder), die Verschreibungsentscheidungen beeinflussen ~ Steigern Sie die Vertriebsleistung durch die geschickte Orchestrierung positiver Kundenerlebnisse ~ Engagieren und Beziehungen aufbauen ~ Führen Sie wertorientierte Gespräche (persönlich und virtuell), um kritische Kundenherausforderungen, Entscheidungstreiber, Schwachstellen und Chancen zu verstehen ~ Personalisieren und orchestrieren Sie Customer Engagement Journeys für HCPs,

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