

Senior Scientist, Human Genetics & Targets

Job ID
REQ-10060603

8月 25, 2025

USA

摘要

We are seeking a highly motivated scientist to join Human Genetics and Targets home within the Discovery Science department. This role focuses on discovering and validating novel drug targets for inflammatory diseases by leveraging cutting-edge genetics, -omics, and cellular approaches to drive therapeutic innovation in a collaborative, cross-functional environment.

About the Role

Internal Job Title: Senior Scientist I/Senior Scientist II

Position Location: onsite, Cambridge, MA

Your responsibilities include, but are not limited to:

- Identify and validate therapeutic targets for inflammatory diseases, investigate disease mechanisms, and develop novel drug candidates.
- Extensive experience in 2D/3D cell assays with cell lines, stem cells/iPS, primary or immune cells (macrophage/microglia), and advanced models like organoids and co-cultures to assess immune responses and cell interactions.
- Perform mechanism-of-action studies using molecular and cellular methods such as cytokine analysis, Western blotting, flow cytometry, qPCR, immunofluorescence, and barrier assays.
- Engineer human cell models using CRISPR and siRNA technologies for functional screening and/ mechanistic studies.
- Collaborate with cross-functional teams.
- Stay current with scientific literature and advancements, contribute to the publication of research findings and present at scientific conference.
- Mentor/train junior colleagues.

Minimum Requirements:

- B.S/M.S. in biological/biomedical sciences with a minimum of 7 years of hands-on experience in relevant fields; Recent Ph.D. graduates will also be considered.
- Proficiency in mammalian cell culture (primary, stem, immune, barrier models etc.) and experience with complex 2D/3D in vitro models, multicellular systems such as organoids.
- Solid background in molecular biology, immunology, and cell signaling, preferably with drug discovery experience in inflammatory or immune-related diseases.
- Strong written and verbal communication, organizational, and interpersonal skills.
- Proficient in problem-solving, data analysis, statistical/bioinformatics tools, and attention to detail.
- Able to work independently and collaboratively, adapt to shifting priorities, learning agility, and maintain a strong passion for science.

Desirable skills:

- Experience with advanced omics platforms such as spatial transcriptomics, single-cell RNA-seq or others, familiarity with machine learning, or systems biology approaches, population scale genetic datasets.

- Experience in conducting genetic functional studies using primary human or rodent cells, and in vivo murine inflammation models.
- Prior experience in inflammation research, particularly neuroinflammation or intestinal inflammation.
- Demonstrated track record of scientific publications and conference presentations.

The salary for this position is expected to range between \$85,400 and \$158,600 per year for Senior Scientist I, and \$93,800 and \$174,200 per year for Senior Scientist II.

The final salary offered is determined based on factors like, but not limited to, relevant skills and experience, and upon joining Novartis will be reviewed periodically. Novartis may change the published salary range based on company and market factors.

Your compensation will include a performance-based cash incentive and, depending on the level of the role, eligibility to be considered for annual equity awards.

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 click [here](#).

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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部门

Biomedical Research

Business Unit

Universal Hierarchy Node

地点

USA

状态

Massachusetts

站点

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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