

Senior Scientist, Assay Development & Intestinal In Vitro Models

Job ID
REQ-10067218

11月 24, 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 #LI-onsite

Your Responsibilities Include, But Are Not Limited To:

- Design, develop and execute biological assays and in vitro models to discover and evaluate novel pathways and targets, for inflammatory disease drug discovery.

- Mechanism-of-action studies using techniques in cell biology/signaling, molecular biology, and immunology approaches.
- Engineer human cell models (eg. CRISPR) for functional screening and/ mechanistic studies
- Collaborate with cross-functional teams, design, execute, analyze, document experiments and communicate results in team settings.
- 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 7+ years of hands-on experience in relevant fields; Recent Ph.D. graduates (less than 2 years) will also be considered.
- Extensive experience with in vitro cell-based assays using cell lines, primary cells, and stem cells/iPS. Experience with primary intestinal cells, human immune cells and advanced in vitro models such as intestinal organoids/spheroids, microphysiological systems, cocultures and barrier models is preferred.
- Experience with imaging technologies
- Solid background and knowledge in molecular biology, cell signaling and immunology, preferably in inflammatory disease areas.
- Strong written and verbal communication, organizational, and interpersonal skills.
- Proficient in experimental design, troubleshooting, 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:

- Proven track record in inflammation research, particularly therapeutic discovery research in Inflammatory Bowel Disease research is a plus.
- Experience in conducting functional studies using primary human or rodent cells, ex vivo tissue-based assays.
- 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.
- 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>

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>

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Biomedical Research

Business Unit
Research

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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