

Senior Principal Scientist/Lab Head- CVM (Cell & Molecular Biology)

Job ID
REQ-10063177

9月 30, 2025

USA

摘要

We are seeking a highly motivated PhD-level Scientist with a strong background in molecular and cell biology to provide leadership for a team of experienced BA/MS-level scientists in the Cardiovascular and Metabolic (CVM) Disease Department. The successful candidate will contribute to advancing scientific understanding of disease biology and facilitate drug discovery by supporting target validation, assay development, and drug screening across multiple initiatives within CVM and in close collaboration with the broader research organization.

This position will be located at Cambridge, MA and will not have the ability to be located remote
#LI-Onsite

About the Role

Key Responsibilities:

- Lead a dedicated molecular biology team to support discovery and pipeline projects within the Biochemistry group of CVM.
- Supervise and provide mentorship to 3-4 experienced molecular or cellular biologists
- Support multiple projects in the department with reagent generation and in vitro assay development
- Create constructs, baculoviruses, and stable cell lines, and carry out protein expression to enable in vitro and in vivo studies.
- Design, develop, and implement in vitro assays to support target validation within drug discovery initiatives.
- Act as the molecular and cell biology expert on project teams.
- Conduct comprehensive data analyses and documentation of experiments.
- Collaborate effectively within a matrixed organizational structure.
- Engage in good laboratory practice, including meticulous data recording and documentation.
- Communicate findings regularly during laboratory and departmental meetings.
- Author scientific research documents and contribute to peer-reviewed publications.

Essential Requirements:

- A doctoral degree in a biology-related field, with 10+ years of post-PhD experience in molecular and cell biology
- 5+ years of supervisory experience (managing direct reports) in either academia or industry
- Hands-on experience with cellular and molecular biology methods, e.g., molecular cloning, CRISPR-CAS9 gene editing, stable cell line generation, DNA construct design for in vitro and in vivo (HDI) expression; heterologous gene expression (mammalian, E. coli, insect cell culture); qPCR, RT-PCR, FACS.
- Knowledge/experience with developing and executing cell-based and biochemical assays for drug discovery.
- Experience with design of transgenic mouse models using CRISPR-Cas9 would be a plus.
- Flexibility and aptitude for learning, with the ability to quickly grasp new techniques and apply them to your work.
- Experience in generation, analysis, and presentation of scientific data.
- Creative problem-solving capabilities.
- Excellent communication and interpersonal skills, and the ability to work effectively in a collaborative team-oriented environment.

Desirable Requirements;

- Familiarity with protein purification methods would be a plus

The salary for this position is expected to range between \$138,600- \$257,400/year

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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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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