

Senior Scientist, in vivo Pharmacology, Genetically Engineered Models – Comparative Medicine

Job ID

REQ-10077856

May 18, 2026

LOC_US

About the Role

Internal Job Title: Senior Scientist II

Position Location: onsite, Cambridge, MA #LI-onsite

About the Role:

The Global Genetically Engineered Models (GEMs) Team within Comparative Medicine (CM) is a key driver of innovation in animal science, preclinical care, and research model development, enabling research programs across Novartis worldwide. As a central partner in in vivo research, the team brings deep scientific expertise and collaborative leadership to the design, coordination, and execution of impactful preclinical activities.

The Senior Scientist role is a highly technical and strategic opportunity to advance drug discovery and development across diseases with significant unmet medical need. This position offers the chance to deliver high-quality in vivo research support within a multidisciplinary environment while helping shape innovative model-based solutions that accelerate scientific progress.

Key Responsibilities:

- Drive the design and generation of genetically engineered mouse models using advanced CRISPR-based genome engineering approaches.
- Help advance the platform by developing and implementing innovative technologies and approaches for animal genome engineering.
- Lead the genetic and molecular characterization of engineered models to ensure scientific rigor and translational relevance.
- Ensure full compliance with all institutional and regulatory protocols, policies, and guidelines governing animal research.
- Stay at the forefront of the field by evaluating emerging technologies and applying new insights to strengthen in vivo disease modeling.
- Collaborate closely with the global GEMs team and external partners to expand model generation capabilities and deliver against program priorities.

Essential Requirements:

- Ph.D. in a natural or life science discipline, preferably molecular biology, genetics, or developmental biology, with 2+ of relevant hands-on experience working in a matrixed environment. We will also consider MS level candidates with 8+ years of directly related experience, preferably in industry.
- Demonstrated expertise in genetically engineered animal model generation, including proficiency in PCR and next-generation sequencing for genetic characterization.
- Strong attention to detail and working knowledge of animal use protocols, welfare compliance requirements, and regulatory standards, with experience documenting studies in paper and electronic laboratory records.

Desirable Requirements:

- Proven ability to lead and influence programs or platform initiatives within a highly collaborative, matrixed environment.

- Working knowledge of advanced mouse model characterization approaches, including transcriptomics, proteomics, and metabolomics, to support deeper biological insight and translational relevance.
- Experience managing one to two direct reports, with the ability to support talent development and foster a strong team culture.

The salary for this position is expected to range between \$103,600 and \$192,400 USD per 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](#).

Role Requirements

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 \(PDF 30 MB\)](#)

Division

DIV_RE

Business Unit

Research

Location

LOC_US

Site

Cambridge (USA)

Company / Legal Entity

U175 (FCRS = US175) Novartis Institutes for BioMedical Research, Inc.

Functional Area

FCT_RD

Job Type

Full time

Employment Type

Regular

Shift Work

No

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