

Research Scientist, in vivo Pharmacology-Oncology

Job ID
REQ-10089570
Окт. 23, 2026
CША

Сводка

Are you a scientist who combines strong hands-on in vivo pharmacology expertise with independent scientific thinking? In this role, you will design and lead preclinical oncology studies to investigate drug exposure, target engagement, pharmacodynamic responses and anti-tumor efficacy. You will integrate in vivo and ex vivo data to address key scientific questions and provide actionable recommendations to multidisciplinary drug discovery teams.

Location: Cambridge, USA #LI-Onsite

This role is based in Cambridge, USA. Novartis is unable to offer relocation support for this role: please only apply if this location is accessible for you.

About the Role

Responsibilities:

- Independently design, plan and execute preclinical in vivo oncology studies to test scientific hypotheses, evaluate candidate medicines and inform project decisions.
- Perform animal procedures such as dosing, tumor implantation, monitoring and sample collection, following procedures and welfare requirements.
- Establish, characterize and critically select relevant tumor models for efficacy and pharmacokinetic/pharmacodynamic studies.
- Define study objectives and experimental strategies, including dose selection, treatment schedules, controls and pharmacodynamic sampling plans.
- Develop, optimize and troubleshoot protein-based pharmacodynamic assays, including MSD, ELISA and Western blot, to assess target engagement and pathway modulation.
- Design and interpret RNA-based gene-expression analyses alongside protein measurements to investigate pharmacodynamic and biomarker responses.
- Oversee robust tumor and normal tissue processing and optimize sample preparation and assay workflows to ensure reliable downstream analyses.
- Critically integrate efficacy, drug exposure and pharmacodynamic datasets to evaluate exposure–response relationships, identify limitations and recommend next experiments.
- Record experiments accurately and promptly in the electronic laboratory notebook.
- Communicate scientific conclusions, study limitations and data-driven recommendations to cross-functional project teams through presentations and study reports.

Essential for the role:

- Bachelor's or Master's degree in pharmacology, biology, cancer biology, molecular biology or a related scientific subject.
- Relevant industry or academic research experience demonstrating scientific independence and expertise appropriate for a Scientist role.
- Strong hands-on experience with mouse studies, including dosing, tumour implantation, animal monitoring and sample collection.
- Hands-on experience with protein-based assays such as Meso Scale Discovery assays, enzyme-linked immunosorbent assays or Western blot.
- Demonstrated ability to independently design, execute, analyze and troubleshoot in vivo pharmacology studies, beyond following established study plans.
- Strong attention to detail and organizational skills.
- Strong scientific judgement, with the ability to translate biological questions into testable hypotheses and fit-for-purpose experimental designs.
- Ability to interpret complex datasets, communicate clear scientific conclusions and collaborate effectively with Biology, DMPK/PK and other disciplines.

Desirable for the role:

- Experience with oncology models (xenograft, patient-derived xenograft or syngeneic), integrated in vivo efficacy and PK/PD studies, and RNA-based pharmacodynamic analyses.
- Strong understanding of PK/PD principles and exposure–target engagement–efficacy relationships; proficiency with GraphPad Prism or equivalent quantitative analysis tools.

Benefits & Rewards:

At Novartis, we're committed to reimagining medicine together - and rewarding the people who make it happen.

Expected Annual Base Salary Range for role: \$57,750 to \$107,250

The base salary offered is determined based on gender-neutral objectives, such as relevant skills, competencies and experience in accordance with the Novartis pay setting policy and upon joining Novartis will be reviewed periodically.

In addition to your base salary, you may be eligible for a performance-based bonus depending on certain performance parameters.

The rewards of being part of our team go far beyond base pay and incentives. We also offer a variety of competitive benefits in kind to help you thrive personally and professionally, such as insurance plans, retirement plans, wellbeing resources and global recognition programs. In addition, we provide flexible and hybrid working options, where possible, and minimum 14 weeks paid parental leave.

Pay equity is a fundamental principle of our employment policy and reflects our commitment to create a diverse, equitable and inclusive environment that treats all employees with dignity and respect, as outlined in our Code of Ethics.

Read our brochure to learn more about our global total rewards offering: https://www.novartis.com/sites/novartis_com/files/novartis-life-handbook.pdf

Note: Benefits and compensation may vary by country and are subject to local legal requirements, including provisions of collective bargaining agreements where applicable. A full overview of your compensation package, including any relevant collective bargaining agreement details applicable to your role based on your employment location and Novartis employer entity, will be communicated separately to you during the application process.

USA - Benefit Statement:

The salary for this position is expected to range between \$57,750 and \$107,250 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](#).

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 \(PDF 30 MB\)](#)

EEO Statement:

The Novartis Group of Companies are Equal Opportunity Employers. We do not discriminate in recruitment, hiring, training, promotion or other employment practices for reasons of race, color, religion, sex, national origin, age, sexual orientation, gender identity or expression, marital or veteran status, disability, or any other legally protected status.

Accessibility & 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 to perform the essential functions of a position, please send an e-mail to us.reasonableaccommodations@novartis.com or 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.

Дивизион

Biomedical Research

Business Unit

Research

Место

США

Состояние

Massachusetts

Сайт

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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