

# Senior Scientist I/II, In Vivo Pharmacology (Echocardiography) – CVM

Job ID  
REQ-10054506  
Jun 11, 2025  
USA

## Summary

We are seeking a highly motivated scientist specialized in echocardiography to join our in vivo pharmacology team in the Cardiovascular and Metabolic (CVM) Disease Area at the Novartis BioMedical Research (BR) facility located in Cambridge, MA. Cardiometabolic disease is the leading cause of death worldwide, taking an estimated 17.9 million lives each year. Our team is dedicated to the creation and development of innovative medicines to change this alarming statistic. We conceive, develop, validate, and employ pharmacological tools to evaluate the efficacy and safety of novel cardiometabolic drug candidates.

As an experienced and skilled lab-based echocardiographer, you will work both independently and collaboratively in an inter-disciplinary setting to execute experiments in preclinical models of cardiovascular disease. You will perform multi-mode echocardiography including strain by speckle tracking and Doppler imaging for heart systolic function and diastolic function. You will collect, analyze, and interpret echo images, and report cardiac structural and functional data in both written study reports and at team meetings. You will support drug discovery for heart failure and arrhythmia therapeutics by participating in pharmacodynamic/pharmacokinetic (PK/PD) and efficacy studies, while broadening your knowledge in the non-invasive imaging field.

#LI-Onsite

This position will be located at Cambridge and will not have the ability to be located remotely

## About the Role

### Key responsibilities:

- Independently design, execute, analyze, and document *in vivo* echocardiographic experiments in heart failure and/or arrhythmia animal models.
- Employ good laboratory, data recording and data documentation practices.
- Establish new imaging techniques and approaches to support heart failure or arrhythmia studies.
- Support drug discovery projects with PK/PD studies.
- Collaborate effectively while working in a matrixed environment.
- Present results in lab and department meetings.
- Assist in the completion of research reports to support regulatory filings.

### Minimum role requirements

- Bachelors or Masters in pharmacology, physiology, or other life sciences area

- 3-5+ years of relevant experience in rodent echocardiography.
- Experience in handling, dosing, and phenotyping animal models of disease, ideally with an emphasis in heart failure, arrhythmia or cardiorenal disease, experience with non-rodent models would be a bonus
- Drug discovery experience desirable.
- Experience in working with a multidisciplinary team of scientists.
- Basic knowledge of statistics and experience with common statistical software for biomedical research.
- Proficiency with Microsoft Office (Word, Excel and PowerPoint).
- Strong written, oral and record keeping skills.

**The salary for this position is expected to range between Senior Scientist I: \$85,400-\$158,600/year | Senior Scientist II: \$93,800-\$174,00/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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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](mailto: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.

Division

Biomedical Research

Business Unit

Pharma Research

Location

USA

State

Massachusetts

Site

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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