

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

Job ID

REQ-10038489

Feb 07, 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.

## **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.

## **Novartis Compensation and Benefit Summary:.**

The pay range for this position at commencement of employment is expected to be between \$85,400-\$158,600/year for Senior Scientist I and between \$93,800-\$174,00/year for Senior Scientist II; however, while salary ranges are effective from 1/1/25 through 12/31/25, fluctuations in the job market may necessitate adjustments to pay ranges during this period. Further, final pay determinations will depend on various factors, including, but not limited to geographical location, experience level, knowledge, skills, and abilities. The total compensation package for this position may also include other elements, including a sign-on bonus, restricted stock units, and discretionary awards in addition to a full range of medical,

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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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