Preclinical Principal Biostatistician

Job ID
REQ-10049656

4   21, 2025

USA

About the role:

This position will be located in Cambridge, MA USA and will not be located remotely.

We are building a novel preclinical statistics function within our Data Science and Modeling and Simulation team in PK Sciences which is part of Translational Medicine. We are seeking a statistician for our Preclinical Statistics team, who can independently support one of our key disease areas. This role engages with scientists, project teams, and disease areas across Biomedical Research.

About the Role

Key Responsibilities:

- Collaboration: Work closely with scientists, project teams, and disease areas to integrate

statistical methodologies into research and development processes.

- Cross-Functional Representation: Represent preclinical statistics on cross-functional teams to provide effective statistical consideration and collaborate closely with scientists across Biomedical Research
- Statistical Support: Provide expert statistical support for preclinical studies, from experimental design to robust data analysis and interpretation.
- Innovation: Contribute to the development and application of innovative statistical techniques

- Statistical Approaches: Ensure and implement statistically sound approaches for the design, analysis, reporting, and interpretation of exploratory and regulatory preclinical studies.
- Automation Development: Develop automated solutions

Essential requirements:

Education: PhD required in Statistics or Biostatistics or related field strongly preferred; Master's degree with a minimum of 3-4 years relevant experience may be considered.

- Experience: demonstrated experience in statistics, with relevant knowledge in biology, pharmacology and toxicology
- Technical Skills: Expertise in statistical software and programming languages (e.g., R, SAS, Python).
- Communication: Excellent communication and interpersonal skills, with the ability to engage effectively with diverse stakeholders.
- Innovation: Demonstrated ability to drive methodological innovation and apply advanced statistical techniques to complex problems.

Desirable Requirements:

- Prior experience working in pharma or biotech
- Drug discovery relevant knowledge in Oncology or Cardiometabolic Diseases

Novartis Compensation and Benefit Summary: The pay range for this position at commencement of employment is expected to be between $119,700 to $222,300/year; 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, financial, and/or other benefits (including 401(k) eligibility and various paid time off benefits, such as vacation, sick time, and parental leave), dependent on the position offered. Details of participation in these benefit plans will be provided if an employee receives an offer of employment. If hired, employee will be in an "at-will position" and the Company reserves the right to modify base salary (as well as any other discretionary payment or compensation program) at any time, including for reasons related to individual performance, Company or individual department/team performance, and market factors.

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
Pharma Research

USA

Massachusetts

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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