



Senior Biometrician Job Description from Merck Research Laboratories

Department: BARDS (Biostatistics and Research Decision Science)
Report to: Assoc Director/Director
Location: Beijing, China
Employee Group: Full time Employee

Position Overview:

Reporting to Assoc Director/Director, the incumbent is responsible for providing biostatistical support for a discovery or development project. Requires broad knowledge of statistical methodology, experimental design, drug/vaccine discovery, non-clinical or clinical trial expertise from phase I to V. Sufficient knowledge to ensure sound scientific principles and statistical methods are applied to designing and analyzing clinical trials or non-clinical experiments in support of discovery and worldwide submissions. Supervises a staff of 3-8 statisticians with advanced degrees as well as supervising additional statisticians in a project manager/leadership capacity. Provide statistical services that are integral to drug/vaccine discovery, non-clinical or clinical development programs supporting one or more compounds/indications.

1. Reports to Assoc Director or Director. Acts on behalf of the Assoc Director/Director in his/her absence
2. Develops, coordinates and supervises biostatistical support for assigned projects of a group. Involved in early development planning of BMP, CDP/CDS, and protocol development to ensure that study designs are consistent with program objectives and meet worldwide regulatory statistical requirements and marketing needs. Develops individual protocols and data analysis plans or collaborates with non-clinical scientists. Independently determines appropriate statistical methodology for data analysis. Has responsibility for ensuring data evaluated are free of bias, contain maximum information (minimum variance), and satisfy analysis requirements. Is the key contact with the project team/product discovery or development team to ensure that the presentation of study results (in CSRs, outside reports, presentation to management, etc.) are clear and consistent with the statistical analysis provided and support study conclusions. Analyzes data and interprets results from experiments to meet objectives of study protocol. Prepares oral and written reports to effectively communicate results to the project team, Merck management, regulatory agencies or individual investigators.
3. Manages staff and develops and implements project plans to optimize effectiveness with minimal supervision. Identifies and evaluates outside resources (consultants, CROs) when in-house resources are not available
4. Conducts research independently on statistical methodology, pursues solutions to various technical problems, adapts known methods and develops new methods. Maintains technical skills and increases own knowledge of new methods or areas of applications.
5. Fosters the introduction of new statistical methodological approaches into data analysis plans which will improve the efficiency and sensitivity of results. Interacts with statistical consultants, both in house and outside in achieving this goal
6. Provides training in research design and analysis for non-statistical groups in discovery or development
7. Monitors and seeks continuous improvement of work processes
8. Stimulates the scientific development of staff by encouraging participation in departmental seminars, short courses, and the publication/presentation of scientific articles



9. Participates in the recruitment of qualified statisticians under general guidance of management
10. Works in an administrative capacity to develop staff including creating and implementing career development plans. Assures that all direct reports are receiving adequate and continuous training to help develop staff.

Requirements

- Ph.D. (3+ yrs experience) or M.S. (6+ yrs experience) in statistics or the equivalent. Degree in statistics/biostatistics with knowledge or biomedical sciences and at least 3 years (for PhD, 6 years for Masters) experience in the design and evaluation of drug/vaccine discovery, non-clinical development or clinical trials.
- Sound knowledge of computers, statistical and data processing software.
- Excellent communication skills are required.
- Publications in peer reviewed statistical/medical journals are desirable.
- Excellent language skills in both English and Chinese

If interested, please send CV and personal statement to wei.jia3@merck.com, cc to william_wang@merck.com for Late Development Statistics, and cc to xiaohua_zhang@merck.com for Early Development Statistics.