



Title: Biostatistician

Company: University of Illinois Cancer Center

Location: Chicago, IL

For fullest consideration, please submit an online application by February 28, 2022, including a cover letter, resume, and list of references, at: <https://jobs.uic.edu/job-board/job-details?jobID=160116>

The Biostatistics Core within the UI Cancer Center is involved in all states of the research process, and provides study design, data management, statistical analysis, quality assurance, and study management services to a broad array of cancer-related clinical, preclinical, epidemiological, translational, and community-based research, in addition to review of protocols and grant applications.

The Biostatistician will work under the guidance of a senior biostatistician, investigator, or core director, and will provide statistical data support on design, analysis, interpretation and implementation to investigators for research/trial activities.

Essential Duties:

- Collaborate in the development of study designs and implementation process for research, observational, and clinical project/trial to prepare and formalize statistical analysis plan, focusing on fundamental issues including specification of hypotheses and perform sample size or power calculations.
- Use statistical and medical understanding to appropriately perform and advise investigators in data collection, management and analyses for research, observational, and clinical project/trials; develop objectives and procedures for the project/trial; provide interpretation and documentation of scientific data analyses, creates summaries, and present results in written and verbal form to investigator(s).
- Performs a range of activities to facilitate the design of research projects and clinical trials; Contributes data analyses and interpretation for preparation and delivery of reports for peer-reviewed publication, grant proposal and application, and presentations.
- Collaborate with investigator(s) to ensure that project/trial results and conclusions are presented accurately and without bias.
- Clean, organizes and performs quality control of data in preparation for analyses; prepares and edits data summaries of data analyses.
- Attend project meetings with faculty, principal investigators, research staff, and other relevant stakeholders; Serve on research related committees such as the Protocol Review Committee (PRC) and/or Data Safety and Management Committee (DSMC).
- Retain all study data in accordance with sponsor requirements and university policies and procedures.
- Partner with investigator(s) to jointly achieve objectives and timeliness.
- Perform other related duties and participate in special projects as assigned.



Minimum Qualifications:

- Master's Degree in Biostatistics, Statistics, or related field required.
- At least three years of related and recent experience in the analysis of quantitative research data within an academic environment required.
- Must understand biological processes, proper experimental designs, data analysis and interpretation of results in biostatistics; At least 1 year of experience in research and the integration of statistics application in biological principles.
- Experimental design including basic science, population-based science, biological sciences and/or clinical trials studies addressing issues such as sampling recruitment, allocation of treatment(s), randomization strategies, and development of an analytic plan.
- Thorough knowledge of applied aspects of observational and clinical study design, data analysis, research data management and statistical program is required through a combination of academic training and work experience.
- Experience in data management, cleaning and interrogating of data, and determine missing data elements as appropriate.
- Demonstrated proficiency using SAS, R, Stata, SPSS, or other relevant statistical programs.
- Computer skills using Microsoft Office (Outlook, Word, Excel & PowerPoint). Proficient in preparing tables and graphs to present clinical data or research study results.
- Demonstrated skills in time management and project management. Strong focus on quality and timely delivery of work; ability to multi-task and work on concurrent projects.
- Demonstrated interpersonal skills to develop and maintain effective professional work relationships with investigators in various disciplines. Ability to work well autonomously and in team environment with a wide range of varying stakeholders.
- Ability to communicate effectively both orally and in writing to a variety of audiences.

The University of Illinois at Chicago is an affirmative action, equal opportunity employer that has a strong institutional commitment to the principle of diversity and is particularly interested in receiving applications from a broad spectrum of people. We do not discriminate on the basis of sex, gender identity, sexual orientation, race, color, religion, national origin, disability, protected Veteran status, age, or any other characteristic protected by law.

Offers of employment by the University of Illinois may be subject to approval by the University's Board of Trustees and are made contingent upon the candidate's successful completion of any criminal background checks and other pre-employment assessments that may be required for the position being offered. Additional information regarding such pre-employment checks and assessments may be provided as applicable during the hiring process.

The University of Illinois System requires candidates selected for hire to disclose any documented finding of sexual misconduct or sexual harassment and to authorize inquiries to current and former employers regarding findings of sexual misconduct or sexual harassment. For more information, visit <https://www.hr.uillinois.edu/cms/One.aspx?portalId=4292&pageId=1411899>