

Position description

Date: January 12, 2022

Title: Research Associate #362

Department: Population and Quantitative Health Sciences

School: Medicine

Location: Wood Building

Supervisor Name and Title: Pingfu Fu, Ph.D., Professor of Biostatistics

POSITION OBJECTIVE

Working under minimal supervision, the Research Associate will play a key role in medical research in general. The Research Associate (RA) is responsible for all respects of statistical considerations from early phase engagement (protocol, study design), trial monitoring and data management, data analysis, to the final stage of research report and scientific dissemination from a variety of research projects (clinical and pre-clinical), especially cancer research across campus, primarily within the Case Comprehensive Cancer Center. The RA is also responsible in assisting for the development of research grant and contract proposals and/or post-award reports to funding agencies.

ESSENTIAL FUNCTIONS

1. Provide assessment of appropriateness of study design and statistical models in the early phase of research projects. (15%)
2. Carry out statistical analyses in a team environment in support of research projects across campus, particularly within the School of Medicine as assigned. (40%)
3. Write statistical report and other tasks associated with scientific report (20%)
4. Manage data and analysis requests from investigators. Assist investigators in the interpretation of statistical results. (10%).
5. Develops and delivers educational resources on research methods for trainees and junior faculty in the department of Hematology and Oncology at UH (10%)
6. Perform other duties as assigned (5%).

NONESSENTIAL FUNCTIONS

1. Perform other duties as assigned.

CONTACTS

Department: Daily contact with department faculty and staff.

University: Frequent contact with faculty, research staff, medical students/residents/fellows and other staff who are involved in assigned projects.

External: other institutions, funding agencies, etc. as needed

Students: Medical students, residents.

SUPERVISORY RESPONSIBILITY

No direct supervisory responsibilities. Will train and provide oversight to medical students and residents.

QUALIFICATIONS

Experience: Applicants must have 1-3 year experience as a biostatistician in medical research, especially in the area of cancer research and the experience in stem cell transplant for patients with blood malignancies. Familiar to clinical trial designs, especially for early phases (1, 2) cancer clinical trials. Familiar to the general theory of database management. Sound knowledge of biology especially cancer biology in blood malignancies is desired, but not required.

Education/Licensing: MS or PhD in biostatistics, computer science, or related discipline.

REQUIRED KNOWLEDGE, SKILLS and ABILITIES

1. Experience using various advanced analytical methods such as survival analysis, generalized linear models, mixed and frailty models, and machine learning techniques including tree-based methods and regularized methodology.
2. Demonstrated ability to apply a wide-range of statistical methods to real-world clinical and preclinical data as well as omics data.
3. Proficiency with SAS (including macro language, ODS and graphics) or Splus/R.
4. Strong verbal communication skills.
5. Ability/experience in writing scholarly work
6. Strong organizational skills and ability to meet deadlines
7. Self-motivated to acquire new skills in the era of data science
8. Ability to work on multiple research projects simultaneously

WORKING CONDITIONS

General office environment. Work requires regular use of a computer keyboard and mouse. Limited manual dexterity required. Work requires negligible physical exertion. No exposure to hazards.

DIVERSITY STATEMENT

In employment, as in education, Case Western Reserve University is committed to Equal Opportunity and Diversity. Women, veterans, members of underrepresented minority groups, and individuals with disabilities are encouraged to apply.

TO APPLY

Applicants should submit a curriculum vitae along with contact information for three references to Pingfu Fu, PhD, at pxf16@case.edu