General Description: Biostatistician position candidate will devote primary effort to collaboration on a large NIA-funded project to study resiliency in older adults, and secondary effort to statistical consultation within the Johns Hopkins Biostatistics Center. An 80%/20% allocation of primary/secondary roles is envisioned.

In the primary project, the candidate will work under the supervision of PhD statisticians who co-direct the overall project to conduct analyses of data being collected in the study, as well as data already available from epidemiological cohort and clinical studies. Data being collected will evaluate older adults’ real-time responses to experiments providing a mild physiological challenge, and then use these to forecast their recovery and long term outcomes following three major stressors: knee replacement surgery, initiation of hemodialysis, and bone marrow transplant in treatment of hematological cancers. Analyses needed will range from descriptive summaries and displays to longitudinal and time-to-event analyses, latent variable analyses focused on construct measurement, analyses to develop predictions, and analyses to fit biomathematical models characterizing dynamical systems to human data. This project is funded for five years.

In the secondary role, the candidate will provide biostatistical consultations to researchers at the Johns Hopkins Medical Institutions (JHMI) as well as external organizations. These consultations range from short in-person sessions to longer-term projects and focus on sample size/statistical power calculations, data analysis, assistance with manuscripts and report writing. Substantive areas include methods for treating and preventing developmental disorders, role of immune system in reproductive cycle transition and ophthalmology research. The candidate is expected to work as part of a team of data managers and biostatisticians and under the supervision of a senior biostatistician consultant. Incorporation of this role is expected to enhance the candidate experience through regular interaction with a community of consultative statisticians and the opportunity for exposure to a broad range of projects.

Qualifications

Master’s degree in biostatistics or statistics
Expertise with standard statistical packages, such as R, STATA and SAS
Two or more years of experience in applied statistical analyses of prospective and retrospective data, including longitudinal, multi-level/hierarchical data, survival analysis, methods for classification and prediction and approaches to missing data. Experience with statistical analysis of clinical trial data is preferred
Demonstrated excellence in statistical consulting
Adept at cross-disciplinary collaboration
Effective team player and ability to work independently
Excellent oral and written communication skills

To Apply

Send CV/resume and cover letter to Ms. Ashley Johnson, akgjohnson@jhu.edu or direct inquiries to Johns Hopkins Biostatistics Center Director, Dr. Gayane Yenokyan, gyenoky1@jhu.edu