THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF
MILITARY MEDICINE

Position Description
Biostatistician II

JOB SUMMARY: A biostatistician position is immediately available at the US Military HIV Research Program (MHRP) located at the Walter Reed Army Research Institute (WRAIR) at Silver Spring, MD. We are currently seeking a biostatistician interested in analyzing big genomics data and developing statistical methods to analyze the data. The position will focus on understanding how human genetic variation contributes to differences in infectious disease susceptibility and pathogenesis. The incumbent will work on data from next generation sequencing technologies such as RNASeq and whole genome sequencing as well as candidate gene approaches to identify host genes that correlate with HIV resistance, AIDS progression and vaccine efficacy using MHRP cohorts of African and Asian ancestry. The candidate will have the opportunity to interact with other biostatisticians, bioinformaticians and data analysts at MHRP.

ESSENTIAL JOB DUTIES: 100% of time

Statistical analysis of large-scale whole-genome sequencing and RNASeq data sets to identify the genetic basis of HIV pathogenesis.

Develop statistical methods to better analyze genetic data.

We are especially interested in developing statistical approaches for next-generation sequencing technologies.

The candidate will perform other project-specific research as needed, and will be expected to author scientific publications based on research findings.

JOB SPECIFICATIONS:

Required Knowledge, Skills, and Abilities: We are seeking an enthusiastic communicative team player with a PhD in genomics or a relevant scientific discipline. The candidate will have a strong background in statistics with knowledge of statistical tools such as SAS and R and programming skills (Perl, Python). Applicants should have experience in one or more of the following areas: human genetics, statistical genetics, or bioinformatics with the ability to analyze and interpret data. The candidate should have strong communication skills.

Minimum Education/Training Requirements: Master’s in biostatistics, epidemiology or statistics with experience in statistical/human/population genetics or a related field with minimum of 0-4 years experience.
Minimum Experience: 2 to 4 years of experience

Work Environment: may require working evenings and weekends

Any qualifications to be considered as equivalents, in lieu of stated minimums, require the prior approval of the Director of Human Resources

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