



**Title: Statistical Geneticist**

Company: BioStat Solutions, Inc.

Job Location: Mt. Airy, MD

Education Level: Ph.D. or MS with 3 years experience

Contact information: hr@biostatsolutions.com

**Job Description / Key Responsibilities**

Conduct pharmacogenetic and statistical analyses

**Specific responsibilities include:**

Statistical consulting on pharmacogenetic studies, clinical trials and research projects in service of the pharmaceutical, biotechnical and research industries

- Work in a team environment on pharmacogenetic and statistical analysis projects
- Communicating with clients to ensure goals and expectations of each project are met
- Writing statistical analysis reports (SARs) describing methodology / results to clients
- *Conducting pharmacogenetic and statistical analyses including, but not limited to:* genetic association on both binary and quantitative traits in SNP genotyping studies, linkage analysis, pharmacokinetic and pharmacodynamic analysis, clinical statistics, power and sample size evaluation, genotypic and phenotypic quality control, covariate selection, haplotype analysis, population stratification and epistatic interactions
- *Implementation of a wide range of statistical methodology including, but not limited to:* mixed modeling, general linear modeling, logistic regression, variance components, repeated measures, likelihood-based statistics, multiple comparison adjustments, permutation testing, bootstrapping and survival analysis

**Minimum requirements:**

- Advanced degree in biostatistics, quantitative genetics, epidemiology or related field
- Excellent verbal and written communication skills
- Knowledge of statistical approaches as they relate to the field of genetics
- Ability to adapt and interact in a team environment
- Strong programming skills (SAS and/or R preferred)
- US citizen or eligible to work in the US
- Must read, write and speak fluent English