Summer Internship Program – (Biostatistician)

Who We Are

The Biostatistics and Bioinformatics teams provide statistical support for study design, data acquisition, analysis, and interpretation. We work collaboratively with Statistical Programmers, Clinical Scientists, Research Scientists, Clinical Pharmacologists, Clinical Data Managers and other Clinical, Global Drug Safety, Regulatory and Project Management staff to meet team goals. Biostatisticians and Bioinformaticians at Gilead leverage statistical expertise to provide data analyses to support drug development programs across the company. In addition, we combine this statistical expertise with knowledge of regulatory requirements to provide sound statistical advice with respect to creating successful clinical development programs.

Interns with Bioinformatics training can work in the bioinformatics group to support genomics data analysis and Bioinformatics infrastructure development.

The Position

The Ideal candidate will have an academic background in statistics, biostatistics or bioinformatics with a strong interest in clinical trials and drug development. Interns will work closely with an experienced biostatistician on topics related to the design and analysis of clinical trials, analysis of biomarker data, or bioinformatics. The internship will include specific projects related to analyzing data, reviewing literature, and developing new statistical methodologies or statistical software packages. The intern will gain experience conducting biostatistical research via the application of statistical and computational expertise in combination with critical thinking skills to address real and impactful data analysis issues related to one or more of our core therapeutic areas. These therapeutic areas include oncology, HIV, respiratory, inflammation, cardiovascular, and liver disease. At the conclusion of the internship program, interns will give a presentation summarizing their work.

Job Responsibilities may include the following tasks:

- Working on two research projects: 1) project on clinical trial design - studying the impact on power loss from futility analysis with correlated measurements; 2) Bayesian dose-finding for combination drugs
- Perform literature review and summarize findings
- Perform simulations and/or conduct theoretical derivation
- Sound knowledge of statistical software, e.g., R and WinBUGS/JAGS
- Writing statistical reports and giving presentations

Eligibility:

- Summer Intern at least 18 years old
- Graduate enrolled in a Ph.D. program in an accredited university/college
- Related Majors to Biostatistics, Statistics, Mathematics, or Bioinformatics, etc
- Familiar with clinical trial and Bayesian analysis
- Ability to complete 12 consecutive weeks between May and September

We’re an equal opportunity employer.