

**NSABP FOUNDATION, INC. – JOB DESCRIPTION**  
**Pathology Laboratory**

**Job Title:                      Biostatistical Molecular Biologist**

**EXPERIENCE/SKILLS**

- Ph.D or masters degree in bioinformatics or a publication record showing strong skills in the analysis of high dimensional data
- Strong academic understanding of molecular biological assays and principles.
- Strong background on the molecular biology of cancer
- Ability to work independently and with others to carry out molecular biological assays and aid in their analysis.
- Ability to do quality control of diverse sets of molecular data, including but not limited to microarray, RNA-Seq, and DNA mutation, Mass spectrometry and multispectral imaging data
- Strong computer programming skills, in particular programming in R.
- Strong communication skills in English.
- Ability to conduct in the biostatistical analyses of correlative science studies in collaboration with other biostatisticians and statisticians,
- Able to perform statistical analyses and prognostic model development for gene expression, transcriptome sequencing, miRNA, and mutation profiling data.
- Ability to perform standard statistical analyses including but not limited to survival analysis
- Able to develop pipelines for analysis of Next-Generation Sequencing data.
- Ability to interact with IT staff to detail hardware needs and to assist in their implementation.
- Ability to review literature to find and employ bioinformatic tools for analysis of large data sets.
- Solid working knowledge of survival analysis of molecular data.
- Bioinformatics experience in association studies of molecular markers with clinical data to generate models for prognosis and treatment prediction.
- Ability to evaluate performance characteristics of new methodologies
- Familiarity with metagenomics data analysis from shotgun sequencing experiments

**Please email CV/resume to Betty Trocchio at [human.resources@nsabp.org](mailto:human.resources@nsabp.org).**