**Position title:** Postdoctoral Computer Scientist / Bioinformatics

**Salary range:** 45,000-53,000

**Job type:** Full time immediately

**Location:** Farmington, CT

**Contact:** Marcia V. Fournier (mvf@bioarray.us)

**BIOARRAY** is a privately funded early stage biotechnology company developing diagnostics to personalize the selection of oncology drug treatments for cancer patients. As a central component of our mission, **BIOARRAY** applies proprietary approaches to discover and validate biomarkers and predictive models using data from ongoing prospective and retrospective clinical trials.

**The role of Computer Scientist** is to work with the research team to accurately and appropriately capture and record data for scientific study and validation, manage database, perform data analysis, develop automated protocols for use by the team, and communicate and present results of analyses.

**Specific duties include:**
- Manage clinical data collection, data cleaning, analysis, and reporting systems.
- Implement study-specific procedures that comply with regulatory and internal procedures for biomarker validation.
- Identify inconsistencies and inefficiencies in processes and recommends solutions.
- Analyze gene profiling data output
- Develop prediction models using machine learning tools

**Requirements:**
- PhD degree in a field such as computer science, information management, statistics, biostatistics, econometrics, or mathematics.
- Experience with BioConductor and R-environment.
- Excellent computer skills, including but not limited to the knowledge of MS-Office products such as Access, and Excel.
- A strong understanding of database programming concepts and/or clinical data management systems.
- Excellent interpersonal, verbal and written communication skills
- Able to manage multiple projects and processes at the same time.
- Able to interface with a team to implement and transfer protocols.

**Skills:**
- Experience in analyzing gene expression data (e.g. NGS, microarrays)
- Some experience in biostatistics, programming, and project management.
- Experience in clinical trials would be a plus.
- Experience in biomarker development would be a plus.
- PostgreSQL and Linux platform would be a plus.