Position title: Computer Scientist / Bioinformatics

Salary range: Commensurate with experience

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 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:
- 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.
- A bachelor’s or higher degree in a field such as computer science, information management, statistics, biostatistics, econometrics, or mathematics.
- 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)
- Experience in clinical trials.
- Experience in biomarker development.
- Relevant work experience in biostatistics programming and project management.
- SAS certification and knowledge of Microsoft Access.