About Us: Quadrant Biosciences is a biotechnology company developing novel functional assessments and epigenetic biomarker technologies for neurological conditions including concussion, autism spectrum disorder, and Parkinson's disease. We collaborate with academic institutions, medical researchers, and engineers to translate breakthrough findings into clinically useful and scientifically sound assessments. The research group is composed of teams of clinical researchers, laboratory scientists, bioinformaticists, biomedical engineers, and data scientists. Advancements developed by Quadrant Biosciences will have a significant impact on clinical practice and diagnosis of neurological conditions.

Our technology focuses on human and microbial gene activity using next-generation RNA- sequencing and machine learning for biomarker discovery.

Position Offered: Data Analyst. The focus of this position is **data analysis** and **machine learning** to develop diagnostic products to aid clinicians. This employee will work closely with in-house bioinformaticians, data scientists, and biomedical engineers, and report to the Vice President of Research and Data Science.

Duties include **development of bioinformatics algorithms** and **pipelines**, data analysis, and presentations of findings in accordance with Institutional Review Board (IRB) criteria and HIPAA compliance. The **data analyst** will also be responsible for sharing knowledge within the research team and within the company.

We are seeking a highly motivated individual to grow as the team expands, and to tackle new challenges as they arise. This is an opportunity to produce meaningful, impactful, reproducible research.

Education: PhD (or Masters with 3+ years experience) in computational biology, biomedical engineering, or related fields.

Duties
- Analyzing DNA and RNA sequencing data, medical histories, and behavioral assessments with exploratory data analysis and statistical testing for research protocol development and quality control
- Build predictive models using machine learning (logistic regression, random forests, SVMs, neural networks) for use as diagnostic and prognostic aids

Experience
- Demonstrated scientific writing and publishing experience
- Able to work on multiple projects concurrently
- Detail oriented and organized knowledge of R and/or Python
- Ideal candidates will be familiar with version control systems and protocols

Contact: Please send cover letter and resume to careers@quadrantbiosciences.com