



Job Title: Bioinformatics Scientist

Job Description

The successful candidate will collaborate with leading neuroscience and molecular biology researchers, clinicians and the Quadrant Biosciences technology team. They will participate in the analysis of large 'omics datasets such as those generated by next generation sequencing (NGS) and/or polymerase chain reaction (PCR) processing. Applying bioinformatics and statistical methods, the Bioinformatics Scientist will discover biomarker patterns related to a wide spectrum of neurodegenerative diseases.

Required Experience

- Ph.D. or Masters with equivalent experience in Computational Biology, Biostatistics, Bioinformatics, Computer Science, Data Science, or related discipline
- At least three years of experience in bioinformatics software development and research
- Experience using publicly available bioinformatics/genomics tools and algorithms; web resources such as NCBI
- Experience in efficient pipeline development for large NGS data sets
- Experience in the design and statistical analysis of experimental data
- Experience developing tools and workflows for reproducible research and analysis reporting

Required Skills

- Strong programming skills in Python or R; Shell scripting
- Proficiency in working with databases (SQL/NoSQL)
- Experience with data science and visualization tool kits in R or Python
- Familiarity with NGS process and outputs
- Proven ability to work independently and collaboratively

Desired Skills

- Familiarity with Jupyter
- Familiarity machine learning and artificial intelligence algorithms
- Familiarity with cloud based services related to genomic research (such as TensorFlow, AWS Genomics, etc.,)

If interested, please send an email with your CV to careers@quadrantbiosciences.com

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