



Project #6

Identification, Prediction, and Data Analysis of Non-Coding RNAs in Neurodevelopmental Disorders

Description

Non-coding RNAs are explored as potential biomarkers of disease transcriptomic profiling. This investigation route is essential due to the transcriptome's capacity to comprehend molecular complexities that DNA sequences alone cannot. Our group has shown that transcriptome profiling between groups can offer a clear divide between several transcripts and their differential expression to predict or diagnose neurodevelopmental disorders is lacking. Consequently, deriving a transcriptome signature will not only help us to predict, identify, and stratify individuals, but it will also elevate our understanding of the disorder's molecular underpinnings. Ultimately the goal is to incorporate our findings into developing a diagnostic assay.

Mentors

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