

Short Proposed Research

Project Title: Novel gene-gene fusion as biomarkers in Alzheimer's disease

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Description of Proposed Context of Use

We propose to study novel fusion proteins identified by us in Alzheimer Disease (AD) using multiple NIAGADS datasets. We have recently obtained preliminary data uncovering more than 170 gene-gene fusions from AD cortical tissues (post-mortem brains). We thus propose to study a recurrence of these fusions in NIAGADS datasets and their genotypic and phenotypic associations as potential biomarkers in AD using RNAseq and DNAseq datasets and in house methods.