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Citation for final published version:

Sims, Rebecca , Hill, Matthew and Williams, Julie 2020. The multiplex model of the genetics of Alzheimer's disease. Nature Neuroscience 23 , pp. 311-322. 10.1038/s41593-020-0599-5

Publishers page: https://doi.org/10.1038/s41593-020-0599-5

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Individual Genetic Variants:
Mutations; functional, coding or
hub loci

AD
Genetics,
Genomics
& Analytics

Multiplex of Risk Variants:
High/Low Polygenic Risk
Pathway PRS (immunity, endocytosis ubiquitination, cholesterol, vascular, amyloid & tau processing)

iPSC

single/multiple cell/tissue, coculture, organoids



high risk
epidemiology,
biomarkers &
preventative/
precision clinical
trials



iPSC

Chimera

single/multiple cell/tissue, co-culture, organoids

Multiplex outcome measures to capture AD component mechanisms

New Mechanisms New Therapies