

Special Issue

Omics Technologies and Genomic Studies Unraveling Alzheimer's Disease Heterogeneity

Message from the Guest Editor

Alzheimer's disease (AD) is a heterogeneous and complex phenotype. Both environmental and genetic factors significantly influence AD. Ongoing research aims to elucidate the biological diversity of AD through multi-omics approaches in both peripheral and brain tissues, including single-cell analyses, biomarkers, endophenotypes, imaging, etc. Over 70 genetic loci and various biomarkers have been linked to AD, indicating that multiple pathways may contribute to this disease. Additionally, it is important to note that some individuals exhibit AD pathology without displaying any symptoms. Addressing the heterogeneity of AD is crucial for accurate diagnosis, prevention, treatment, and prediction of disease progression. We invite submissions that explore the heterogeneity of AD, including studies conducted within diverse populations that report novel discoveries or evaluate existing AD markers in new populations. Furthermore, literature reviews and bioinformatics publications that propose innovative methodologies for studying disease heterogeneity are also encouraged.

Guest Editor

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Deadline for manuscript submissions

closed (31 July 2025)



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