

Resource Summary Report

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Aging Dementia and Traumatic Brain Injury Study

RRID:SCR_014554

Type: Tool

Proper Citation

Aging Dementia and Traumatic Brain Injury Study (RRID:SCR_014554)

Resource Information

URL: <http://aging.brain-map.org/>

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Description: The Aging, Dementia and Traumatic Brain Injury Study is a detailed neuropathologic, molecular and transcriptomic characterization of brains of control and TBI exposure cases from a unique aged population-based cohort from the Adult Changes in Thought (ACT) study. The study contains six data sets: histology and immunohistochemistry, in situ hybridization, rna-seq, protein quantification by luminex, isoprostane quantification, and specimen metadata.

Synonyms: Aging Dementia and TBI Study

Resource Type: data or information resource, data set

Keywords: aging, dementia, traumatic brain injury, study, data set, histology, immunohistochemistry, in situ, hybridization, rna seq, protein quantification, isoprostane quantification, specimen, metadata, human

Related Condition: Aging, Dementia, Traumatic brain injury

Funding: Paul G. Allen Family Foundation

Availability: Available to the research community

Resource Name: Aging Dementia and Traumatic Brain Injury Study

Resource ID: SCR_014554

License URLs: <http://www.alleninstitute.org/legal/terms-use/>

Record Creation Time: 20220129T080321+0000

Record Last Update: 20260728T043443+0000

Ratings and Alerts

No rating or validation information has been found for Aging Dementia and Traumatic Brain Injury Study.

No alerts have been found for Aging Dementia and Traumatic Brain Injury Study.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Santamaria G, et al. (2025) A Machine-Learning Approach Identifies Rejuvenating Interventions in the Human Brain. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(37), e03344.

Ding X, et al. (2024) DNALI1 Promotes Neurodegeneration after Traumatic Brain Injury via Inhibition of Autophagosome-Lysosome Fusion. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 11(15), e2306399.

Liang J, et al. (2024) Gene Co-Expression Analysis of Multiple Brain Tissues Reveals Correlation of FAM222A Expression with Multiple Alzheimer's Disease-Related Genes. *Journal of Alzheimer's disease : JAD*, 99(s2), S249.

PerezGrovas-Saltijeral A, et al. (2023) Differential expression of m5C RNA methyltransferase genes NSUN6 and NSUN7 in Alzheimer's disease and traumatic brain injury. *Molecular neurobiology*, 60(4), 2223.

H??hn L, et al. (2023) Extracellular Matrix Changes in Subcellular Brain Fractions and Cerebrospinal Fluid of Alzheimer's Disease Patients. *International journal of molecular sciences*, 24(6).

Paranjpe MD, et al. (2021) Sex-Specific Cross Tissue Meta-Analysis Identifies Immune Dysregulation in Women With Alzheimer's Disease. *Frontiers in aging neuroscience*, 13, 735611.

Kong Y, et al. (2021) The Synaptic Vesicle Protein 2A Interacts With Key Pathogenic Factors in Alzheimer's Disease: Implications for Treatment. *Frontiers in cell and developmental biology*, 9, 609908.

Postupna N, et al. (2021) The Delayed Neuropathological Consequences of Traumatic Brain Injury in a Community-Based Sample. *Frontiers in neurology*, 12, 624696.

Johnson TS, et al. (2021) Combinatorial analyses reveal cellular composition changes have different impacts on transcriptomic changes of cell type specific genes in Alzheimer's

Disease. Scientific reports, 11(1), 353.

Kim BH, et al. (2021) Genome-wide association study identifies susceptibility loci of brain atrophy to NFIA and ST18 in Alzheimer's disease. Neurobiology of aging, 102, 200.e1.

Lauterborn JC, et al. (2021) Increased excitatory to inhibitory synaptic ratio in parietal cortex samples from individuals with Alzheimer's disease. Nature communications, 12(1), 2603.

Banerjee S, et al. (2021) Adropin correlates with aging-related neuropathology in humans and improves cognitive function in aging mice. NPJ aging and mechanisms of disease, 7(1), 23.

Arzouni N, et al. (2020) Identification of Dysregulated Genes for Late-Onset Alzheimer's Disease Using Gene Expression Data in Brain. Journal of Alzheimer's disease & Parkinsonism, 10(6).

Li W, et al. (2020) Dcf1 alleviates C99-mediated deficits in drosophila by reducing the cleavage of C99. Biochemical and biophysical research communications, 530(2), 410.

Huang H, et al. (2020) Altered Expression of the m6A Methyltransferase METTL3 in Alzheimer's Disease. eNeuro, 7(5).

Erbaba B, et al. (2020) Zebrafish brain RNA sequencing reveals that cell adhesion molecules are critical in brain aging. Neurobiology of aging, 94, 164.

Shen K, et al. (2020) Regional transcriptome analysis of AMPA and GABAA receptor subunit expression generates E/I signatures of the human brain. Scientific reports, 10(1), 11352.

Brito LM, et al. (2020) Differential Expression and miRNA-Gene Interactions in Early and Late Mild Cognitive Impairment. Biology, 9(9).

Wang YJ, et al. (2019) The functional roles of IGF-1 variants in the susceptibility and clinical outcomes of mild traumatic brain injury. Journal of biomedical science, 26(1), 94.

Han S, et al. (2019) Identification of exon skipping events associated with Alzheimer's disease in the human hippocampus. BMC medical genomics, 12(Suppl 1), 13.