

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: 20260819T044410+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 28 mentions in open access literature.

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

Saenz-Antoñanzas A, et al. (2026) Differential Gene Expression in Human Hippocampus With Aging. Aging cell, 25(4), e70459.

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.

Nieves J, et al. (2025) A bird's eye view to the homeostatic, Alzheimer and Glioblastoma attractors. Heliyon, 11(4), e42445.

Olejniczak B, et al. (2025) Transcriptomic analysis of the TRP gene family in human brain physiopathology. Frontiers in molecular neuroscience, 18, 1576941.

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.

Höhn 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).

Lourenco MV, et al. (2022) Irisin stimulates protective signaling pathways in rat hippocampal neurons. Frontiers in cellular neuroscience, 16, 953991.

Castro CCM, et al. (2022) Age, Education Years, and Biochemical Factors Are Associated with Selective Neuronal Changes in the Elderly Hippocampus. *Cells*, 11(24).

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.

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.

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

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.

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.

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.