

Resource Summary Report

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Allen Human Brain Atlas

RRID:SCR_007416

Type: Tool

Proper Citation

Allen Human Brain Atlas (RRID:SCR_007416)

Resource Information

URL: <http://human.brain-map.org/static/brainexplorer>

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Description: Multi modal atlas of human brain that integrates anatomic and genomic information, coupled with suite of visualization and mining tools to create open public resource for brain researchers and other scientists. Data include magnetic resonance imaging (MRI), diffusion tensor imaging (DTI), histology and gene expression data derived from both microarray and in situ hybridization (ISH) approaches. Brain Explorer 2 is desktop software application for viewing human brain anatomy and gene expression data in 3D.

Synonyms: Human Cortex Study, Allen Institute for Brain Science Human Cortex Study, Allen Brain Atlas - Human Brain

Resource Type: database, software application, data processing software, atlas, data or information resource, software resource, data visualization software

Defining Citation: [PMID:23041053](#)

Keywords: atlas, human, brain, anatomic, genomic, data, visualization, mining, tool, MRI, DTI, histology, gene, expression

Funding: Individual private donors ;
U.S. Department of Health and Human Services 1C76HF15069;
U.S. Department of Health and Human Services 1C76HF19619

Availability: Free, Available for download, Freely available

Resource Name: Allen Human Brain Atlas

Resource ID: SCR_007416

Alternate IDs: nif-0000-00506

Old URLs: <http://humancortex.alleninstitute.org>, <http://human.brain-map.org/>

Record Creation Time: 20220129T080241+0000

Record Last Update: 20260804T043330+0000

Ratings and Alerts

No rating or validation information has been found for Allen Human Brain Atlas.

No alerts have been found for Allen Human Brain Atlas.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 135 mentions in open access literature.

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

Adewale Q, et al. (2025) Patient-centered brain transcriptomic and multimodal imaging determinants of clinical progression, physical activity, and treatment needs in Parkinson's disease. NPJ Parkinson's disease, 11(1), 29.

Hu S, et al. (2025) Transcriptomic profiles link corticostriatal microarchitecture to genetics of neurodevelopment and neuropsychiatric risks. Translational psychiatry, 15(1), 48.

Zhao F, et al. (2025) An optimized click chemistry method allows visualization of proliferating neuronal progenitors in the mouse brain. Cell reports methods, 5(11), 101208.

Zhang Y, et al. (2025) Genetic neurocognitive profile of autism unveiled with gene transcription. Neurobiology of disease, 210, 106925.

Du Z, et al. (2025) Dysfunction and recovery of the cortical connectome gradient and its association with gene expression profiles in methamphetamine and heroin use disorders. Progress in neuro-psychopharmacology & biological psychiatry, 139, 111391.

Sanchez-Rodriguez LM, et al. (2024) In-vivo neuronal dysfunction by A β and tau overlaps with brain-wide inflammatory mechanisms in Alzheimer's disease. Frontiers in aging neuroscience, 16, 1383163.

Wang Y, et al. (2024) Spatio-molecular profiles shape the human cerebellar hierarchy along the sensorimotor-association axis. Cell reports, 43(2), 113770.

Duan H, et al. (2024) Population clustering of structural brain aging and its association with brain development. eLife, 13.

Moujaes F, et al. (2024) Ketamine induces multiple individually distinct whole-brain functional connectivity signatures. *eLife*, 13.

Larson RC, et al. (2023) Anti-TACI single and dual-targeting CAR T cells overcome BCMA antigen loss in multiple myeloma. *Nature communications*, 14(1), 7509.

Ji JL, et al. (2023) Informing individualized multi-scale neural signatures of clozapine response in patients with treatment-refractory schizophrenia. *medRxiv : the preprint server for health sciences*.

Xia Y, et al. (2022) Development of functional connectome gradients during childhood and adolescence. *Science bulletin*, 67(10), 1049.

Griessner J, et al. (2021) Central amygdala circuit dynamics underlying the benzodiazepine anxiolytic effect. *Molecular psychiatry*, 26(2), 534.

Adewale Q, et al. (2021) Integrated transcriptomic and neuroimaging brain model decodes biological mechanisms in aging and Alzheimer's disease. *eLife*, 10.

McCutcheon RA, et al. (2021) Dopaminergic organization of striatum is linked to cortical activity and brain expression of genes associated with psychiatric illness. *Science advances*, 7(24).

Ji JL, et al. (2021) Mapping brain-behavior space relationships along the psychosis spectrum. *eLife*, 10.

Vogel JW, et al. (2020) A molecular gradient along the longitudinal axis of the human hippocampus informs large-scale behavioral systems. *Nature communications*, 11(1), 960.

Tenenbaum JD, et al. (2019) Translational bioinformatics in mental health: open access data sources and computational biomarker discovery. *Briefings in bioinformatics*, 20(3), 842.

Romero-Garcia R, et al. (2019) Synaptic and transcriptionally downregulated genes are associated with cortical thickness differences in autism. *Molecular psychiatry*, 24(7), 1053.

Quintana DS, et al. (2019) Oxytocin pathway gene networks in the human brain. *Nature communications*, 10(1), 668.