# **Resource Summary Report**

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# Allen Institute for Brain Science

RRID:SCR\_006491 Type: Tool

#### **Proper Citation**

Allen Institute for Brain Science (RRID:SCR\_006491)

#### **Resource Information**

URL: http://www.brain-map.org

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**Description:** Seattle based independent, nonprofit medical research organization dedicated to accelerating the understanding of how human brain works. Provides free data and tools to researchers and educators and variety of unique online public resources for exploring the nervous system. Integrates gene expression data and neuroanatomy, along with data search and viewing tools, these resources are openly accessible via the Allen Brain Atlas data portal. Provides Allen Mouse Brain, Allen Spinal Cord Atlas, Allen Developing Mouse Brain Atlas, Allen Human Brain Atlas, Allen Mouse Brain Connectivity Atlas, Allen Cell Type Database, The Ivy Glioblastoma Atlas Project (Ivy GAP), The BrainSpan Atlas of the Developing Human Brain.

Synonyms: The Allen Institute for Brain Science, Allen Mouse Brain

Resource Type: atlas, portal, topical portal, data or information resource

**Keywords:** Institute, embryonic, gene, expression, data, neuroscience, medical, research, neuroanatomy

Funding:

Resource Name: Allen Institute for Brain Science

Resource ID: SCR\_006491

Alternate IDs: nif-0000-00146

Record Creation Time: 20220129T080236+0000

Record Last Update: 20250428T053231+0000

## **Ratings and Alerts**

No rating or validation information has been found for Allen Institute for Brain Science.

No alerts have been found for Allen Institute for Brain Science.

### Data and Source Information

Source: <u>SciCrunch Registry</u>

#### **Usage and Citation Metrics**

We found 740 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>dkNET</u>.

Jing J, et al. (2025) Molecular logic for cellular specializations that initiate the auditory parallel processing pathways. Nature communications, 16(1), 489.

Ma X, et al. (2025) Neuroimaging stratification reveals the striatal vulnerability to stress as a risk for schizophrenia. Translational psychiatry, 15(1), 18.

Carraro C, et al. (2024) Tackling neurodegeneration in vitro with omics: a path towards new targets and drugs. Frontiers in molecular neuroscience, 17, 1414886.

Wen H, et al. (2024) Processing Language Partly Shares Neural Genetic Basis with Processing Tools and Body Parts. eNeuro, 11(8).

Montani C, et al. (2024) Sex-biasing influence of autism-associated Ube3a gene overdosage at connectomic, behavioral, and transcriptomic levels. Science advances, 10(28), eadg1421.

Damodharan S, et al. (2024) Transcriptomic and Proteomic Spatial Profiling of Pediatric and Adult Diffuse Midline Glioma H3 K27-Altered, Reveals Region Specific Differences and Limited Overlap between mRNA and Protein. Research square.

Salazar Leon LE, et al. (2024) Purkinje cell dysfunction causes disrupted sleep in ataxic mice. Disease models & mechanisms, 17(6).

Gui W, et al. (2024) Genetic mechanisms underlying local spontaneous brain activity in episodic migraine. Frontiers in neuroscience, 18, 1348591.

Sanchez-Rodriguez LM, et al. (2024) In-vivo neuronal dysfunction by A? and tau overlaps

with brain-wide inflammatory mechanisms in Alzheimer's disease. Frontiers in aging neuroscience, 16, 1383163.

Mayer E, et al. (2024) Effects of DHEA and DHEAS in Neonatal Hypoxic-Ischemic Brain Injury. Antioxidants (Basel, Switzerland), 13(12).

Chen K, et al. (2024) Molecular basis underlying default mode network functional abnormalities in postpartum depression with and without anxiety. Human brain mapping, 45(5), e26657.

Cao Z, et al. (2024) Unraveling the molecular relevance of brain phenotypes: A comparative analysis of null models and test statistics. NeuroImage, 293, 120622.

Wu C, et al. (2024) Spatially resolved transcriptome of the aging mouse brain. Aging cell, 23(5), e14109.

Zhu J, et al. (2024) Transcriptomic decoding of regional cortical vulnerability to major depressive disorder. Communications biology, 7(1), 960.

Zhang B, et al. (2024) Whole brain alignment of spatial transcriptomics between humans and mice with BrainAlign. Nature communications, 15(1), 6302.

Min R, et al. (2024) Inhibitory maturation and ocular dominance plasticity in mouse visual cortex require astrocyte CB1 receptors. iScience, 27(12), 111410.

Park JW, et al. (2024) Oligomeric amyloid-? targeted contrast agent for MRI evaluation of Alzheimer's disease mouse models. Frontiers in pharmacology, 15, 1392729.

Montagni E, et al. (2024) Mapping brain state-dependent sensory responses across the mouse cortex. iScience, 27(5), 109692.

Yao W, et al. (2024) Associations between the multitrajectory neuroplasticity of neuronavigated rTMS-mediated angular gyrus networks and brain gene expression in AD spectrum patients with sleep disorders. Alzheimer's & dementia : the journal of the Alzheimer's Association, 20(11), 7885.

Zhang D, et al. (2024) Genetic and molecular correlates of cortical thickness alterations in adults with obsessive-compulsive disorder: a transcription-neuroimaging association analysis. Psychological medicine, 54(12), 1.