Resource Summary Report

Generated by dkNET on Aug 18, 2026

NeuroExpresso

RRID:SCR_015724
Type: Tool

Proper Citation

NeuroExpresso (RRID:SCR_015724)

Resource Information

URL: http://neuroexpresso.org/

Proper Citation: NeuroExpresso (RRID:SCR_015724)

Description: Database of mouse brain cell type-specific gene expression datasets. NeuroExpresso is able to demonstrate the use of marker genes for acquiring cell type specific information from whole tissue expression.

Resource Type: software resource, web application, data or information resource, database

Keywords: mouse brain, marker gene, tissue expression, microarray, gene expression, rna sequencing

Funding: NeuroDevNet ;
CAMH ;
NIMH MH077159;
NIMH MH111099;
NIGMS 719GM076990;
NSERC Discovery Grant

Availability: Freely available

Resource Name: NeuroExpresso

Resource ID: SCR_015724

Alternate URLs: https://github.com/oganm/neuroexpresso

Record Creation Time: 20220129T080327+0000

Record Last Update: 20260818T043523+0000

Ratings and Alerts

No rating or validation information has been found for NeuroExpresso.

No alerts have been found for NeuroExpresso.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 26 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Yang Y, et al. (2025) Nkapl deletion drives cognitive deficits through mPFC interneuron dysfunction in a mouse model of schizophrenia. Science advances, 11(40), eadv4779.

Becker LJ, et al. (2025) Neuropeptides as transmitters and regulators of the locus coeruleus noradrenergic system. Pharmacological reviews, 77(5), 100081.

Tarhini S, et al. (2024) Cytomegalovirus infection of the fetal brain: intake of aspirin during pregnancy blunts neurodevelopmental pathogenesis in the offspring. Journal of neuroinflammation, 21(1), 298.

Singh R, et al. (2023) RETROFIT: Reference-free deconvolution of cell-type mixtures in spatial transcriptomics. bioRxiv : the preprint server for biology.

Moon AL, et al. (2022) Social interaction following prepubertal stress alters prefrontal gene expression associated with cell signalling and oligodendrocytes. Translational psychiatry, 12(1), 516.

Palese F, et al. (2022) Targeting NAAA counters dopamine neuron loss and symptom progression in mouse models of parkinsonism. Pharmacological research, 182, 106338.

Keo A, et al. (2021) Cingulate networks associated with gray matter loss in Parkinson's disease show high expression of cholinergic genes in the healthy brain. The European journal of neuroscience, 53(11), 3727.

Toker L, et al. (2021) Genome-wide histone acetylation analysis reveals altered transcriptional regulation in the Parkinson's disease brain. Molecular neurodegeneration, 16(1), 31.

Bauduin SEEC, et al. (2021) Potential associations between immune signaling genes, deactivated microglia, and oligodendrocytes and cortical gray matter loss in patients with long-term remitted Cushing's disease. Psychoneuroendocrinology, 132, 105334.

Fotio Y, et al. (2021) NAAA-regulated lipid signaling governs the transition from acute to chronic pain. Science advances, 7(43), eabi8834.

Howard D, et al. (2020) Molecular neuroanatomy of anorexia nervosa. Scientific reports, 10(1), 11411.

Espeso-Gil S, et al. (2020) A chromosomal connectome for psychiatric and metabolic risk variants in adult dopaminergic neurons. Genome medicine, 12(1), 19.

Pontis S, et al. (2020) N-Acylethanolamine Acid Amidase contributes to disease progression in a mouse model of multiple sclerosis. Pharmacological research, 160, 105064.

Dick F, et al. (2020) Differential transcript usage in the Parkinson's disease brain. PLoS genetics, 16(11), e1009182.

Nido GS, et al. (2020) Common gene expression signatures in Parkinson's disease are driven by changes in cell composition. Acta neuropathologica communications, 8(1), 55.

Wang J, et al. (2020) Using multiple measurements of tissue to estimate subject- and cell-type-specific gene expression. Bioinformatics (Oxford, England), 36(3), 782.

Gerrits E, et al. (2020) Transcriptional profiling of microglia; current state of the art and future perspectives. Glia, 68(4), 740.

Mancuso R, et al. (2019) CSF1R inhibitor JNJ-40346527 attenuates microglial proliferation and neurodegeneration in P301S mice. Brain : a journal of neurology, 142(10), 3243.

Bomkamp C, et al. (2019) Transcriptomic correlates of electrophysiological and morphological diversity within and across excitatory and inhibitory neuron classes. PLoS computational biology, 15(6), e1007113.

Kaneshwaran K, et al. (2019) Sleep fragmentation, microglial aging, and cognitive impairment in adults with and without Alzheimer's dementia. Science advances, 5(12), eaax7331.