Resource Summary Report

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NIH NeuroBioBank

RRID:SCR_003131 Type: Tool

Proper Citation

NIH NeuroBioBank (RRID:SCR_003131)

Resource Information

URL: https://neurobiobank.nih.gov/

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Description: National resource for investigators utilizing human post-mortem brain tissue and related biospecimens for their research to understand conditions of the nervous system. Federated network of brain and tissue repositories in the United States that collects, evaluates, stores, and makes available to researchers, brain and other tissues in a way that is consistent with the highest ethical and research standards. The NeuroBioBank ensures protection of the privacy and wishes of donors. Provides information to the public about the need for tissue donation and how to register as a donor.

Abbreviations: NBB

Synonyms: NeuroBioBank, National Institutes of Health NeuroBioBank

Resource Type: tissue bank, material resource, biomaterial supply resource, brain bank

Defining Citation: PMID:29496155

Keywords: human post-mortem brain tissue, human brain, brain tissue, tissue, adult, child, brain donation, human post-mortem brain tissue and related biospecimens,

Related Condition: Brain disorder, Autism spectrum disorder, Autism, Major Depressive Disorder, Schizophrenia, Multiple Sclerosis, Epilepsy, Traumatic brain injury

Funding: NIMH ; NINDS ; NICHD ; NIA ; NIDA

Resource Name: NIH NeuroBioBank

Resource ID: SCR_003131

Alternate IDs: nlx_156783

Record Creation Time: 20220129T080217+0000

Record Last Update: 20250519T203234+0000

Ratings and Alerts

No rating or validation information has been found for NIH NeuroBioBank.

No alerts have been found for NIH NeuroBioBank.

Data and Source Information

Source: <u>SciCrunch Registry</u>

Usage and Citation Metrics

We found 167 mentions in open access literature.

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

Aldridge CM, et al. (2025) Metabolomic profiles of infants classified as sudden infant death syndrome: a case-control analysis. EBioMedicine, 111, 105484.

Scholefield M, et al. (2024) Localized Pantothenic Acid (Vitamin B5) Reductions Present Throughout the Dementia with Lewy Bodies Brain. Journal of Parkinson's disease, 14(5), 965.

Lai J, et al. (2024) ATM-deficiency-induced microglial activation promotes neurodegeneration in ataxia-telangiectasia. Cell reports, 43(1), 113622.

Vanderplow AM, et al. (2024) Site-blocking antisense oligonucleotides as a mechanism to fine-tune MeCP2 expression. RNA (New York, N.Y.), 30(12), 1554.

Fan R, et al. (2024) Spatial dynamics of mammalian brain development and neuroinflammation by multimodal tri-omics mapping. Research square.

Wang L, et al. (2024) Molecular and cellular dynamics of the developing human neocortex at single-cell resolution. bioRxiv : the preprint server for biology.

Stroganov O, et al. (2024) Unpacking unstructured data: A pilot study on extracting insights from neuropathological reports of Parkinson's Disease patients using large language models. Biology methods & protocols, 9(1), bpae072.

Brown SJ, et al. (2024) Sex- and suicide-specific alterations in the kynurenine pathway in the anterior cingulate cortex in major depression. Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology, 49(3), 584.

Barde S, et al. (2024) Substance P, NPY, CCK and their receptors in five brain regions in major depressive disorder with transcriptomic analysis of locus coeruleus neurons. European neuropsychopharmacology : the journal of the European College of Neuropsychopharmacology, 78, 54.

Sangster ML, et al. (2024) A blood-brain barrier-penetrant AAV gene therapy improves neurological function in symptomatic mucolipidosis IV mice. Molecular therapy. Methods & clinical development, 32(2), 101269.

Qian X, et al. (2024) Spatial Single-cell Analysis Decodes Cortical Layer and Area Specification. bioRxiv : the preprint server for biology.

Dean T, et al. (2024) Fibrin promotes oxidative stress and neuronal loss in traumatic brain injury via innate immune activation. Journal of neuroinflammation, 21(1), 94.

Reis PM, et al. (2024) Structurally targeted mutagenesis identifies key residues supporting ? - synuclein misfolding in multiple system atrophy. bioRxiv : the preprint server for biology.

Heffel MG, et al. (2024) Temporally distinct 3D multi-omic dynamics in the developing human brain. Nature, 635(8038), 481.

Maury EA, et al. (2024) Somatic mosaicism in schizophrenia brains reveals prenatal mutational processes. Science (New York, N.Y.), 386(6718), 217.

Urban MW, et al. (2024) EphrinB2 knockdown in cervical spinal cord preserves diaphragm innervation in a mutant SOD1 mouse model of ALS. eLife, 12.

Wang Q, et al. (2024) Molecular profiling of human substantia nigra identifies diverse neuron types associated with vulnerability in Parkinson's disease. Science advances, 10(2), eadi8287.

Kim SS, et al. (2024) Leveraging single-cell ATAC-seq and RNA-seq to identify diseasecritical fetal and adult brain cell types. Nature communications, 15(1), 563.

Bohannon DG, et al. (2024) Functionally distinct pericyte subsets differently regulate amyloid-? deposition in patients with Alzheimer's disease. Brain pathology (Zurich, Switzerland), e13282. Scholefield M, et al. (2024) Metallomic analysis of brain tissues distinguishes between cases of dementia with Lewy bodies, Alzheimer's disease, and Parkinson's disease dementia. Frontiers in neuroscience, 18, 1412356.