

Resource Summary Report

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Distributed Archives for Neurophysiology Data Integration

RRID:SCR_017571

Type: Tool

Proper Citation

Distributed Archives for Neurophysiology Data Integration (RRID:SCR_017571)

Resource Information

URL: <https://dandiarchive.org>

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Description: Free, cloud-based platform for publishing, sharing, and processing standardized neurophysiology data, primarily using the Neurodata Without Borders (NWB) format. Supported by the BRAIN Initiative, it enables researchers to collaborate, reuse datasets, and adhere to FAIR data principles.

Abbreviations: DANDI

Resource Type: data repository, service resource, storage service resource

Keywords: publishing data, sharing data, processing data, neurophysiology data, BRAIN Initiative,

Funding: NIH R24 MH117295

Availability: Free, Freely available

Resource Name: Distributed Archives for Neurophysiology Data Integration

Resource ID: SCR_017571

Alternate IDs: DOI:10.25504/FAIRsharing.f2c119, DOI:10.48324, r3d100013638

Alternate URLs: <https://doi.org/10.48324/>, <https://dx.doi.org/10.48324/>, <https://fairsharing.org/10.25504/FAIRsharing.f2c119>, <https://doi.org/10.17616/R31NJN0M>

Record Creation Time: 20220129T080335+0000

Record Last Update: 20260912T195854+0000

Ratings and Alerts

No rating or validation information has been found for Distributed Archives for Neurophysiology Data Integration.

No alerts have been found for Distributed Archives for Neurophysiology Data Integration.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 58 mentions in open access literature.

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

Gong T, et al. (2026) Multi-dimensional diffusion MRI at ultra-high gradient strength for mapping axonal architecture and microstructure in the primate brain. bioRxiv : the preprint server for biology.

, et al. (2026) A Community Standard Multispecies Cell Atlas of the Basal Ganglia. bioRxiv : the preprint server for biology.

Ray PL, et al. (2026) A layered standards framework for integrating single-cell and spatial omics data into brain cell atlases. bioRxiv : the preprint server for biology.

Daste S, et al. (2026) Projection-specific routing of odor information in the olfactory cortex. Current biology : CB, 36(11), 2890.

Barzó P, et al. (2025) Electrophysiology and morphology of human cortical supragranular pyramidal cells in a wide age range. eLife, 13.

Wogu E, et al. (2025) FAIR African brain data: challenges and opportunities. Frontiers in neuroinformatics, 19, 1530445.

Ishii KK, et al. (2025) Post-ejaculatory inhibition of female sexual drive via heterogeneous neuronal ensembles in the medial preoptic area. eLife, 12.

Sprague DY, et al. (2025) Unifying community whole-brain imaging datasets enables robust neuron identification and reveals determinants of neuron position in C. elegans. Cell reports methods, 5(1), 100964.

Doherty DW, et al. (2025) Enhanced beta power emerges from simulated parkinsonian primary motor cortex. bioRxiv : the preprint server for biology.

Semenov I, et al. (2025) Excitation and polarization of isolated neurons by high-frequency sine waves for temporal interference stimulation. Cell reports. Physical science, 6(7).

Speir ML, et al. (2025) Making genomic data FAIR through effective Data Portals. Scientific data, 12(1), 1872.

Feng Y, et al. (2025) Distinct changes to hippocampal and medial entorhinal circuits emerge across the progression of cognitive deficits in epilepsy. *Cell reports*, 44(2), 115131.

Elliott MAT, et al. (2025) Pathological microcircuits and epileptiform events in patient hippocampal slices. *bioRxiv : the preprint server for biology*.

Verduzco Espinoza AP, et al. (2025) Microglia-to-neuron signaling links APOE4 and inflammation to enhanced neuronal lipid metabolism and network activity. *Proceedings of the National Academy of Sciences of the United States of America*, 122(37), e2516103122.

Prince SM, et al. (2025) New information triggers prospective codes to adapt for flexible navigation. *Nature communications*, 16(1), 4822.

Doherty DW, et al. (2025) Enhanced beta power emerges from simulated parkinsonian primary motor cortex. *NPJ Parkinson's disease*, 11(1), 230.

Mendoza-Halliday D, et al. (2024) A ubiquitous spectrolaminar motif of local field potential power across the primate cortex. *Nature neuroscience*, 27(3), 547.

Jahanshad N, et al. (2024) Current best practices and future opportunities for reproducible findings using large-scale neuroimaging in psychiatry. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*, 50(1), 37.

Sprague DY, et al. (2024) Unifying community-wide whole-brain imaging datasets enables robust automated neuron identification and reveals determinants of neuron positioning in *C. elegans*. *bioRxiv : the preprint server for biology*.

Iyer S, et al. (2024) The BRAIN Initiative data-sharing ecosystem: Characteristics, challenges, benefits, and opportunities. *eLife*, 13.