Resource Summary Report

Generated by dkNET on Apr 15, 2025

OpenNeuro

RRID:SCR_005031
Type: Tool

Proper Citation

OpenNeuro (RRID:SCR_005031)

Resource Information

URL: http://openneuro.org

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Description: Open platform for analyzing and sharing neuroimaging data from human brain imaging research studies. Brain Imaging Data Structure (BIDS) compliant database. Formerly known as OpenfMRI. Data archives to hold magnetic resonance imaging data. Platform for sharing MRI, MEG, EEG, iEEG, and ECoG data.

Abbreviations: OpenNeuro, OpenfMRI

Synonyms: OpenfMRI, Open fMRI, OpenNeuro

Resource Type: data or information resource, service resource, data repository, image repository, database, storage service resource

Keywords: neuroinformatics, database, storing, dataset, neuroimaging, data, MRI, MEG, EEG, iEEG, ECoG, FASEB list

Funding: NSF OCI1131441;
NIDA ;
Laura and John Arnold Foundation ;
Stanford ;
Squishymedia ;
BRAIN Initiative ;
NIMH

Availability: Free, Freely available

Resource Name: OpenNeuro

Resource ID: SCR_005031

Alternate IDs: DOI:10.25504/FAIRsharing.s1r9bw, nlx_144048, DOI:10.17616/R33047, DOI:10.18112

Alternate URLs: http://www.nitrc.org/projects/openfmri, https://github.com/OpenNeuroDatasets, https://doi.org/10.17616/R33047, https://doi.org/10.17616/r33047, https://doi.org/10.18112/, https://dx.doi.org/10.18112/, https://fairsharing.org/10.25504/FAIRsharing.s1r9bw

Old URLs: http://openfmri.org

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Record Creation Time: 20220129T080228+0000

Record Last Update: 20250412T054928+0000

Ratings and Alerts

No rating or validation information has been found for OpenNeuro.

No alerts have been found for OpenNeuro.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 211 mentions in open access literature.

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

Stenner MP, et al. (2025) Prior knowledge changes initial sensory processing in the human spinal cord. Science advances, 11(3), eadl5602.

Rampinini A, et al. (2025) NEBULA101: an open dataset for the study of language aptitude in behaviour, brain structure and function. Scientific data, 12(1), 19.

Bakiaj R, et al. (2025) Unmasking the Dark Triad: A Data Fusion Machine Learning Approach to Characterize the Neural Bases of Narcissistic, Machiavellian and Psychopathic Traits. The European journal of neuroscience, 61(2), e16674.

Sun L, et al. (2025) Pattern Separation and Pattern Completion Within the Hippocampal Circuit During Naturalistic Stimuli. Human brain mapping, 46(2), e70150.

Chow WW, et al. (2025) A Statistical Characterization of Dynamic Brain Functional Connectivity. Human brain mapping, 46(2), e70145.

Sohn W, et al. (2024) Explorations of using a convolutional neural network to understand brain activations during movie watching. bioRxiv : the preprint server for biology.

Sinha H, et al. (2024) Solving the Pervasive Problem of Protocol Non-Compliance in MRI using an Open-Source tool mrQA. Neuroinformatics, 22(3), 297.

Tang SJ, et al. (2024) Improvements in Sleep Quality in Patients With Major Depressive and Generalized Anxiety Disorders Treated With Individualized, Parcel-Guided Transcranial Magnetic Stimulation. Brain and behavior, 14(10), e70088.

McDevitt EA, et al. (2024) The role of REM sleep in neural differentiation of memories in the hippocampus. bioRxiv : the preprint server for biology.

Candia-Rivera D, et al. (2024) A framework for quantifying the coupling between brain connectivity and heartbeat dynamics: Insights into the disrupted network physiology in Parkinson's disease. Human brain mapping, 45(5), e26668.

Sun L, et al. (2024) High-performance prediction of epilepsy surgical outcomes based on the genetic neural networks and hybrid iEEG marker. Scientific reports, 14(1), 6198.

Ding C, et al. (2024) Mapping Brain Synergy Dysfunction in Schizophrenia: Understanding Individual Differences and Underlying Molecular Mechanisms. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(32), e2400929.

Lee K, et al. (2024) Flexible, scalable, high channel count stereo-electrode for recording in the human brain. Nature communications, 15(1), 218.

Murata EM, et al. (2024) Circadian rhythms tied to changes in brain morphology in a densely-sampled male. bioRxiv : the preprint server for biology.

Brochard J, et al. (2024) Efficient value synthesis in the orbitofrontal cortex explains how loss aversion adapts to the ranges of gain and loss prospects. eLife, 13.

Del Pup F, et al. (2024) Toward improving reproducibility in neuroimaging deep learning studies. Frontiers in neuroscience, 18, 1509358.

Li M, et al. (2024) BGOA-TVG: Binary Grasshopper Optimization Algorithm with Time-Varying Gaussian Transfer Functions for Feature Selection. Biomimetics (Basel, Switzerland), 9(3).

Grotzinger H, et al. (2024) Diurnal Fluctuations in Steroid Hormones Tied to Variation in Intrinsic Functional Connectivity in a Densely Sampled Male. The Journal of neuroscience :

the official journal of the Society for Neuroscience, 44(22).

Tubiolo PN, et al. (2024) A tale of two n-backs: Diverging associations of dorsolateral prefrontal cortex activation with n-back task performance. bioRxiv : the preprint server for biology.

Yueh-Hsin L, et al. (2024) Discernible interindividual patterns of global efficiency decline during theoretical brain surgery. Scientific reports, 14(1), 14573.