

Resource Summary Report

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Connectome Workbench

RRID:SCR_008750

Type: Tool

Proper Citation

Connectome Workbench (RRID:SCR_008750)

Resource Information

URL: <https://www.humanconnectome.org/software/connectome-workbench>

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Description: Software brain visualization, analysis and discovery tool for fMRI and dMRI brain imaging data, including functional and structural connectivity data generated by the Human Connectome Project. Used to map brain imaging data. Allows for visualization of outputs from HCP pipelines from single subject, or average data from group of subjects and register that data onto standard brain atlas.

Abbreviations: CWB, wb_view, wb_command, wb_import

Resource Type: software resource, software toolkit, source code

Keywords: visualization, connectivity, brain, human, fMRI, dMRI, brain imaging data, map neuroimaging data,

Funding: NIH Blueprint for Neuroscience Research ;
NIMH MH060974

Availability: Free, Available for download, Freely available

Resource Name: Connectome Workbench

Resource ID: SCR_008750

Alternate IDs: nlx_143924

Alternate URLs: <http://www.nitrc.org/projects/workbench>, <https://github.com/Washington-University/workbench>, <https://www.humanconnectome.org/software/workbench-command>, <https://www.humanconnectome.org/software/get-connectome-workbench>, <http://humanconnectome.org/connectome/connectome-workbench.html>

License: GNU GPL v2

Record Creation Time: 20220129T080249+0000

Record Last Update: 20260905T132627+0000

Ratings and Alerts

No rating or validation information has been found for Connectome Workbench.

No alerts have been found for Connectome Workbench.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 95 mentions in open access literature.

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

Marche K, et al. (2026) Interaction and functional specialization across a distributed neural circuit for flexible task control in macaques. Nature communications, 17(1), 1063.

Tucciarelli R, et al. (2026) Global remapping of the sensory homunculus emerges early in childhood development. Nature communications, 17(1).

Zheng Y, et al. (2026) Multidimensional dynamic characterization and decoding of finger movements using magnetoencephalography. Imaging neuroscience (Cambridge, Mass.), 4.

Qu S, et al. (2026) Advancing whole-brain BOLD functional MRI in humans at 10.5???T with motion-robust 3D echo-planar imaging, parallel transmission, and high-density radiofrequency receive coils. Magnetic resonance in medicine, 95(2), 1068.

Hajebrahimi F, et al. (2026) Distributed cortical network dynamics of binocular convergent eye movements in humans. Network neuroscience (Cambridge, Mass.), 10(2), 531.

Li Q, et al. (2026) Comparative Mapping of Functional and Structural Homologies in the Pig and Human Brain. bioRxiv : the preprint server for biology.

Farahani A, et al. (2026) Aging and metabolism contribute separately to brain-body health. PLoS biology, 24(6), e3003856.

Cloud JA, et al. (2026) Cardiorespiratory fitness is differentially associated with motor cortex laterality in middle-aged and older adults. Scientific reports, 16(1).

Li Q, et al. (2026) Spatiotemporal dynamics of the human cortical functional hierarchy across the lifespan. Nature communications, 17(1).

Taylor HP, et al. (2026) Functional hierarchy of the human neocortex across the lifespan. *Nature*, 652(8111), 955.

Hiersche KJ, et al. (2026) Connectivity and function are coupled across cognitive domains throughout the brain. *Network neuroscience* (Cambridge, Mass.), 10(1), 80.

Karat BG, et al. (2026) Microstructural variation of hippocampal substructures across childhood and adolescence quantified with high-gradient diffusion MRI. *Communications biology*, 9(1).

Zhao J, et al. (2026) Convergent and divergent spatial topographies of individualized brain functional networks and their developmental origins. *Psychoradiology*, 6, kkg013.

Xu Y, et al. (2026) Neural representation of time across complementary reference frames. *eLife*, 14.

DeKraker J, et al. (2025) HippoMaps: multiscale cartography of human hippocampal organization. *Nature methods*, 22(10), 2211.

Li D, et al. (2025) Mapping the coupling between tract reachability and cortical geometry of the human brain. *Nature communications*, 16(1), 7489.

Hiersche KJ, et al. (2025) Connectivity and function are coupled across cognitive domains throughout the brain. *bioRxiv : the preprint server for biology*.

Zou Q, et al. (2025) Cortical hierarchy underlying homeostatic sleep pressure alleviation. *Nature communications*, 16(1), 10014.

Howell P, et al. (2025) Distinguishing the activity of adjacent somatosensory nuclei within the brainstem using 3T fMRI. *Imaging neuroscience* (Cambridge, Mass.), 3.

Li M, et al. (2025) Brain-AI Alignment in Naturalistic Movies. *bioRxiv : the preprint server for biology*.