

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: source code, software toolkit, software resource

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: 20260803T040542+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 56 mentions in open access literature.

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

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.

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

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

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

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

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

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

Rousseau PN, et al. (2025) Pontine Functional Connectivity Gradients. *Cerebellum (London, England)*, 25(1), 1.

Wang S, et al. (2025) Diff5T: Benchmarking human brain diffusion MRI with an extensive 5.0 Tesla k-space and spatial dataset. *Scientific data*, 12(1), 1352.

Taguchi T, et al. (2025) Association of Bidirectional Network Cores in the Brain with Perceptual Awareness and Cognition. *The Journal of neuroscience : the official journal of*

the Society for Neuroscience, 45(17).

Tobyne SM, et al. (2025) Combined Auditory, Tactile, and Visual fMRI Reveals Sensory-Biased and Supramodal Working Memory Regions in Human Frontal Cortex. *bioRxiv : the preprint server for biology*.

Sun L, et al. (2025) Population-specific brain charts reveal Chinese-Western differences in neurodevelopmental trajectories. *bioRxiv : the preprint server for biology*.

Fan YS, et al. (2025) Anterior-posterior systematic deficits of cortical thickness in early-onset schizophrenia. *Communications biology*, 8(1), 778.

Warren AEL, et al. (2025) A human brain network linked to restoration of consciousness after deep brain stimulation. *Nature communications*, 16(1), 6721.

Farahani A, et al. (2025) Mapping cerebral blood perfusion and its links to multi-scale brain organization across the human lifespan. *PLoS biology*, 23(7), e3003277.

King VL, et al. (2025) Cortical myelin mapping in antipsychotic medication-naïve, first-episode psychosis patients. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*, 50(9), 1439.

Li M, et al. (2025) Functional contrast across the gray-white matter boundary. *Nature communications*, 16(1), 6077.

Assimopoulos S, et al. (2025) Cross-species standardised cortico-subcortical tractography. *eLife*, 14.

Schifani C, et al. (2025) In Vivo Cortical Microstructure: Relationships With Tauopathy and Cognitive Impairment in the Elderly. *Journal of neurochemistry*, 169(8), e70167.

Li J, et al. (2025) Development of areal-level individualized homologous functional parcellations in youth. *Communications biology*, 8(1), 1083.