Resource Summary Report

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Human Connectome Coordination Facility

RRID:SCR_008749 Type: Tool

Proper Citation

Human Connectome Coordination Facility (RRID:SCR_008749)

Resource Information

URL: http://humanconnectome.org/

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Description: Consortium to comprehensively map long-distance brain connections and their variability. It is acquiring data and developing analysis pipelines for several modalities of neuroimaging data plus behavioral and genetic data from healthy adults.

Abbreviations: WU-Minn HCP

Synonyms: HCP WU-Minn Consortium, WU-Minn: Human Connectome Project, HUMAN CONNECTOME PROJECT WU-Minn Consortium, WU-Minn Consortium: Human Connectome Project, WU-Minn Consortium: HCP

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

Defining Citation: PMID:23684880, PMID:23702419, PMID:23668970, PMID:23702415, PMID:23702418, PMID:23707591, PMID:23702417, PMID:23684877

Keywords: brain, connectivity, adult human, mri, resting-state fmri, functional mri assay, neuroimaging, surface rendering, time domain analysis, tractography, xnat pipeline

Related Condition: healthy, twin

Funding: NIMH MH091657; NIH Blueprint for Neuroscience Research

Availability: Free, Freely available

Resource Name: Human Connectome Coordination Facility

Resource ID: SCR_008749

Alternate IDs: nlx_143922

Alternate URLs: http://www.nitrc.org/projects/hcp_wuminn, http://www.humanconnectome.org/documentation/S500/

Record Creation Time: 20220129T080249+0000

Record Last Update: 20250519T203550+0000

Ratings and Alerts

No rating or validation information has been found for Human Connectome Coordination Facility.

No alerts have been found for Human Connectome Coordination Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 871 mentions in open access literature.

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

Solhtalab A, et al. (2025) Stress landscape of folding brain serves as a map for axonal pathfinding. Nature communications, 16(1), 1187.

Li G, et al. (2025) Revealing excitation-inhibition imbalance in Alzheimer's disease using multiscale neural model inversion of resting-state functional MRI. Communications medicine, 5(1), 17.

Won J, et al. (2025) Age and Sex-Related Differences in Neuroprotective Effects of Cardiovascular Endurance on Cortical Thickness and Brain Volume in Adults Across Age. Brain and behavior, 15(1), e70231.

Ruan J, et al. (2025) Connectional differences between humans and macaques in the MT+ complex. iScience, 28(1), 111617.

Huang SY, et al. (2025) Genome-wide association study unravels mechanisms of brain glymphatic activity. Nature communications, 16(1), 626.

Hu J, et al. (2025) Regional changes in cerebral perfusion with age when accounting for changes in gray-matter volume. Magnetic resonance in medicine, 93(4), 1807.

Barisano G, et al. (2025) Robust, fully-automated assessment of cerebral perivascular spaces and white matter lesions: a multicentre MRI longitudinal study of their evolution and association with risk of dementia and accelerated brain atrophy. EBioMedicine, 111, 105523.

Jia T, et al. (2025) Hierarchical Neurocognitive Model of Externalizing and Internalizing Comorbidity. Research square.

Allendorfer JB, et al. (2024) Brain network entropy, depression, and quality of life in people with traumatic brain injury and seizure disorders. Epilepsia open, 9(3), 969.

Myrov V, et al. (2024) Rhythmicity of neuronal oscillations delineates their cortical and spectral architecture. Communications biology, 7(1), 405.

Zhang S, et al. (2024) Species -shared and -unique gyral peaks on human and macaque brains. eLife, 12.

Wulan N, et al. (2024) Translating phenotypic prediction models from big to small anatomical MRI data using meta-matching. bioRxiv : the preprint server for biology.

Vohryzek J, et al. (2024) Time-resolved coupling between connectome harmonics and subjective experience under the psychedelic DMT. bioRxiv : the preprint server for biology.

Nenning KH, et al. (2024) Fast connectivity gradient approximation: maintaining spatially finegrained connectivity gradients while reducing computational costs. Communications biology, 7(1), 697.

Basile GA, et al. (2024) Functional anatomy and topographical organization of the frontotemporal arcuate fasciculus. Communications biology, 7(1), 1655.

Wang Y, et al. (2024) Protocol to detect spatio-molecular profiles underlying neuroimaging features in the human cerebellum. STAR protocols, 5(4), 103311.

Zhang F, et al. (2024) Assessment of the Depiction of Superficial White Matter Using Ultra-High-Resolution Diffusion MRI. Human brain mapping, 45(14), e70041.

Chen Z, et al. (2024) Constructing and exploring neuroimaging projects: a survey from clinical practice to scientific research. Insights into imaging, 15(1), 272.

Wan B, et al. (2024) Microstructural asymmetry in the human cortex. Nature communications, 15(1), 10124.

Huang Z, et al. (2024) Propofol Disrupts the Functional Core-Matrix Architecture of the Thalamus in Humans. bioRxiv : the preprint server for biology.