

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

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: 20260805T044213+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 964 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.

Alteriis G, et al. (2025) DySCo: A general framework for dynamic functional connectivity. PLoS computational biology, 21(3), e1012795.

Lynch KM, et al. (2025) Perivascular and parenchymal fluid characteristics are related to age and cognitive performance across the lifespan. bioRxiv : the preprint server for biology.

Pan Y, et al. (2025) Cortical Morphometric Similarity Remodeling in Traumatic Brain Injury Links Cognitive Impairments with Transcriptional Changes and Type-Specific Cells. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(13), e2415262.

Choi H, et al. (2025) Spatiotemporal Characterization of the Functional MRI Latency Structure with Respect to Neural Signaling and Brain Hierarchy. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(43), e04956.

Schone HR, et al. (2025) Stable cortical body maps before and after arm amputation. Nature neuroscience, 28(10), 2015.

Perrault AA, et al. (2025) Identification of five sleep-biopsychosocial profiles with specific neural signatures linking sleep variability with health, cognition, and lifestyle factors. PLoS biology, 23(10), e3003399.

Filip P, et al. (2025) Clinical and MRI Correlates of ??-Amyloid Load Inconsistent With Its Presumed Neurotoxicity in Cognitively Healthy Ageing. *Journal of neurochemistry*, 169(9), e70241.

Wang Z, et al. (2025) Multi-task machine learning reveals the functional neuroanatomy fingerprint of mental processing. *bioRxiv : the preprint server for biology*.

Kong R, et al. (2025) Network-based Near-Scalp Personalized Brain Stimulation Targets. *bioRxiv : the preprint server for biology*.

Singleton SP, et al. (2025) Network control energy reductions under DMT relate to serotonin receptors, signal diversity, and subjective experience. *Communications biology*, 8(1), 631.

Lee JE, et al. (2025) Atypical maturation of the functional connectome hierarchy in autism. *Molecular autism*, 16(1), 21.

Rousseau PN, et al. (2025) Multiscale gradients of corticopontine structural connectivity. *Scientific reports*, 15(1), 16399.

Song Y, et al. (2025) Network localization of regional homogeneity alterations in Parkinson's disease. *Frontiers in aging neuroscience*, 17, 1607691.

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

Wang X, et al. (2025) Feature similarity, a sensitive method to capture the functional interaction of brain regions and networks to support flexible behavior. *Communications biology*, 8(1), 1776.

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

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.

Ericson J, et al. (2025) Low frequency oscillations - neural correlates of stability and flexibility in cognition. *Nature communications*, 16(1), 5381.

Xin Y, et al. (2025) Genetic contributions to brain criticality and its relationship with human cognitive functions. *Proceedings of the National Academy of Sciences of the United States of America*, 122(26), e2417010122.