

Resource Summary Report

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National Chimpanzee Brain Resource

RRID:SCR_019183

Type: Tool

Proper Citation

National Chimpanzee Brain Resource (RRID:SCR_019183)

Resource Information

URL: <http://www.chimpanzeebrain.org/>

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Description: Collection and distribution of chimpanzee neuroimaging data and postmortem brain tissue. Portal to access chimpanzee brain atlas tools, data repository, bibliography of publications, educational information, and links to other chimpanzee brain resources and datasets on the Internet. Serves as repository for in vivo structural MRI scans of chimpanzee brains, in vivo and postmortem diffusion tensor images (DTI), as well as postmortem fixed and frozen brain specimens.

Abbreviations: NCBR

Resource Type: data repository, service resource, portal, atlas, storage service resource, data or information resource

Keywords: Chimpanzee, Pan Troglodytes, Brain, MRI, DTI, chimpanzee neuroimaging data, postmortem brain tissue, chimpanzee brain atlas

Funding: National Institute of Neurological Disorders and Stroke

Availability: Free, Freely available

Resource Name: National Chimpanzee Brain Resource

Resource ID: SCR_019183

Record Creation Time: 20220129T080343+0000

Record Last Update: 20250430T060226+0000

Ratings and Alerts

No rating or validation information has been found for National Chimpanzee Brain Resource.

No alerts have been found for National Chimpanzee Brain Resource.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 25 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Amano H, et al. (2025) Enlargement of the human prefrontal cortex and brain mentalizing network: anatomically homogenous cross-species brain transformation. *Brain structure & function*, 230(2), 34.

Chauvel M, et al. (2024) Comparative analysis of the chimpanzee and human brain superficial structural connectivities. *Brain structure & function*, 229(8), 1943.

Wang Y, et al. (2024) Comparative Analysis of Human-Chimpanzee Divergence in Brain Connectivity and its Genetic Correlates. *bioRxiv : the preprint server for biology*.

Rickelton K, et al. (2024) Tempo and mode of gene expression evolution in the brain across primates. *eLife*, 13.

Eichner C, et al. (2024) Detailed mapping of the complex fiber structure and white matter pathways of the chimpanzee brain. *Nature methods*, 21(6), 1122.

Mulholland MM, et al. (2024) Long term impacts of early social environment on chimpanzee white matter. *Scientific reports*, 14(1), 29879.

van den Heuvel MP, et al. (2023) Human and chimpanzee shared and divergent neurobiological systems for general and specific cognitive brain functions. *Proceedings of the National Academy of Sciences of the United States of America*, 120(22), e2218565120.

Amiez C, et al. (2023) The relevance of the unique anatomy of the human prefrontal operculum to the emergence of speech. *Communications biology*, 6(1), 693.

Demirci N, et al. (2023) Systematic cortical thickness and curvature patterns in primates. *NeuroImage*, 278, 120283.

de Sousa AA, et al. (2023) From fossils to mind. *Communications biology*, 6(1), 636.

Friederici AD, et al. (2023) Brain structure and function: a multidisciplinary pipeline to study hominoid brain evolution. *Frontiers in integrative neuroscience*, 17, 1299087.

Magielse N, et al. (2023) Phylogenetic comparative analysis of the cerebello-cerebral system in 34 species highlights primate-general expansion of cerebellar crura I-II. *Communications biology*, 6(1), 1188.

Willbrand EH, et al. (2023) Sulcal morphology of posteromedial cortex substantially differs between humans and chimpanzees. *bioRxiv : the preprint server for biology*.

Chauvel M, et al. (2023) In vivo mapping of the deep and superficial white matter connectivity in the chimpanzee brain. *NeuroImage*, 282, 120362.

Willbrand EH, et al. (2023) Sulcal morphology of posteromedial cortex substantially differs between humans and chimpanzees. *Communications biology*, 6(1), 586.

Ardesch DJ, et al. (2022) Scaling Principles of White Matter Connectivity in the Human and Nonhuman Primate Brain. *Cerebral cortex (New York, N.Y. : 1991)*, 32(13), 2831.

Hopkins WD, et al. (2022) Heritability in corpus callosum morphology and its association with tool use skill in chimpanzees (*Pan troglodytes*): Reproducibility in two genetically isolated populations. *Genes, brain, and behavior*, 21(2), e12784.

Mulholland MM, et al. (2022) Phenotypic and genetic associations between gray matter covariation and tool use skill in chimpanzees (*Pan troglodytes*): Repeatability in two genetically isolated populations. *NeuroImage*, 257, 119292.

Wang X, et al. (2021) U-net model for brain extraction: Trained on humans for transfer to non-human primates. *NeuroImage*, 235, 118001.

Amiez C, et al. (2021) Chimpanzee histology and functional brain imaging show that the paracingulate sulcus is not human-specific. *Communications biology*, 4(1), 54.