

Resource Summary Report

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Marmoset Brain Connectivity Atlas

RRID:SCR_015964

Type: Tool

Proper Citation

Marmoset Brain Connectivity Atlas (RRID:SCR_015964)

Resource Information

URL: <http://marmosetbrain.org/>

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Description: Brain connectivity atlas to create systematic, digital repository for data on connections between different cortical areas, in primate species. Data repository for connections between different cortical areas in marmoset monkeys. Allows access to data set and enables other interpretations of data, in light of future evolution of knowledge about marmoset cortex.

Synonyms: Marmoset Monkey Cerebral Cortex Connectivity Atlas

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

Defining Citation: [DOI:10.1038/s41467-020-14858-0](https://doi.org/10.1038/s41467-020-14858-0), [PMID:27099164](https://pubmed.ncbi.nlm.nih.gov/27099164/)

Keywords: cortex, marmoset, monkey, cerebral, brain, architecture, primate

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Australian Research Council CE140100007;
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International Neuroinformatics Coordinating Facility

Availability: Free, Freely available

Resource Name: Marmoset Brain Connectivity Atlas

Resource ID: SCR_015964

Old URLs: <http://marmoset.braincircuits.org>, <http://analysis.marmosetbrain.org>

License: CC-BY-SA v4

Record Creation Time: 20220129T080328+0000

Record Last Update: 20260731T043004+0000

Ratings and Alerts

No rating or validation information has been found for Marmoset Brain Connectivity Atlas.

No alerts have been found for Marmoset Brain Connectivity Atlas.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 26 mentions in open access literature.

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

Hoang BNT, et al. (2025) Topographic organisation of the claustrum-amygdala-prefrontal circuitry in the common marmoset (*Callithrix jacchus*). *Brain structure & function*, 230(9), 176.

Wang Y, et al. (2025) Evolutionary Convergence of the Arcuate Fasciculus in Marmosets and Humans. *bioRxiv : the preprint server for biology*.

Pailthorpe BA, et al. (2024) Network analysis of marmoset cortical connections reveals pFC and sensory clusters. *Frontiers in neuroanatomy*, 18, 1403170.

Xia J, et al. (2024) Decomposing cortical activity through neuronal tracing connectome-eigenmodes in marmosets. *Nature communications*, 15(1), 2289.

Cerrito P, et al. (2024) Neurodevelopmental timing and socio-cognitive development in a prosocial cooperatively breeding primate (*Callithrix jacchus*). *Science advances*, 10(44), eado3486.

Pailthorpe BA, et al. (2024) Simulated dynamical transitions in a heterogeneous marmoset pFC cluster. *Frontiers in computational neuroscience*, 18, 1398898.

DiNicola LM, et al. (2023) Side-by-side regions in dorsolateral prefrontal cortex estimated within the individual respond differentially to domain-specific and domain-flexible processes. *Journal of neurophysiology*, 130(6), 1602.

Zhao L, et al. (2023) Frontal cortex activity during the production of diverse social communication calls in marmoset monkeys. *Nature communications*, 14(1), 6634.

Skibbe H, et al. (2023) The Brain/MINDS Marmoset Connectivity Resource: An open-access platform for cellular-level tracing and tractography in the primate brain. *PLoS biology*, 21(6), e3002158.

Pang JC, et al. (2022) Evolutionary shaping of human brain dynamics. *eLife*, 11.

Schaeffer DJ, et al. (2022) An open access resource for functional brain connectivity from fully awake marmosets. *NeuroImage*, 252, 119030.

Tong C, et al. (2022) Multimodal analysis demonstrating the shaping of functional gradients in the marmoset brain. *Nature communications*, 13(1), 6584.

Majka P, et al. (2021) Histology-Based Average Template of the Marmoset Cortex With Probabilistic Localization of Cytoarchitectural Areas. *NeuroImage*, 226, 117625.

Theodoni P, et al. (2021) Structural Attributes and Principles of the Neocortical Connectome in the Marmoset Monkey. *Cerebral cortex (New York, N.Y. : 1991)*, 32(1), 15.

Messinger A, et al. (2021) A collaborative resource platform for non-human primate neuroimaging. *NeuroImage*, 226, 117519.

Duan LY, et al. (2021) Controlling one's world: Identification of sub-regions of primate PFC underlying goal-directed behavior. *Neuron*, 109(15), 2485.

Bakola S, et al. (2021) Afferent Connections of Cytoarchitectural Area 6M and Surrounding Cortex in the Marmoset: Putative Homologues of the Supplementary and Pre-supplementary Motor Areas. *Cerebral cortex (New York, N.Y. : 1991)*, 32(1), 41.

Matsuzaki M, et al. (2020) Common marmoset as a model primate for study of the motor control system. *Current opinion in neurobiology*, 64, 103.

Liu ZQ, et al. (2020) Network topology of the marmoset connectome. *Network neuroscience (Cambridge, Mass.)*, 4(4), 1181.

Liu C, et al. (2020) A resource for the detailed 3D mapping of white matter pathways in the marmoset brain. *Nature neuroscience*, 23(2), 271.