Resource Summary Report

Generated by dkNET on Apr 26, 2025

Waxholm Space

RRID:SCR_001592
Type: Tool

Proper Citation

Waxholm Space (RRID:SCR_001592)

Resource Information

URL: http://incf.org/programs/atlasing/projects/waxholm-space

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Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on August 1st, 2023. Coordinate based reference space for the mapping and registration of neuroanatomical data. Users can download image volumes representing the canonical Waxholm Space (WHS) adult C57BL/6J mouse brain, which include T1-, T2*-, and T2-Weighted MR volumes (generated at the Duke Center for In-Vivo Microscopy), Nissl-stained optical histology (acquired at Drexel University), and a volume of labels. All volumes are represented at 21.5? isotropic resolution. Datasets are provided as gzipped NIFTI files.

Abbreviations: WHS, WSA, WSS

Synonyms: Waxholm Space Atlas, Waxholm Space, Waxholm Standard Space, Mouse WHS atlas

Resource Type: atlas, data or information resource, waxholm atlas, standard specification, narrative resource

Defining Citation: PMID:20600960, PMID:21304938

Keywords: mouse WHS atlas, neuroanatomy, mapping, atlas, digital, brain, reference, registration, neuroanatomical, data, mri

Funding:

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Waxholm Space

Resource ID: SCR_001592

Alternate IDs: SCR_009594, nlx_153838, nlx_155839

Old URLs: http://software.incf.org/software/waxholm-space/home, http://www.nitrc.org/projects/incf_waxholm-sp

Record Creation Time: 20220129T080208+0000

Record Last Update: 20250426T055449+0000

Ratings and Alerts

No rating or validation information has been found for Waxholm Space.

No alerts have been found for Waxholm Space.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Kleven H, et al. (2023) AtOM, an ontology model to standardize use of brain atlases in tools, workflows, and data infrastructures. Scientific data, 10(1), 486.

Fuglstad JG, et al. (2023) Histological E-data Registration in rodent Brain Spaces. eLife, 12.

Lagartos-Donate MJ, et al. (2022) Postnatal development of projections of the postrhinal cortex to the entorhinal cortex in the rat. eNeuro, 9(3).

Andree A, et al. (2022) Deep brain stimulation electrode modeling in rats. Experimental neurology, 350, 113978.

Prior MJW, et al. (2021) Ratlas-LH: An MRI template of the Lister hooded rat brain with stereotaxic coordinates for neurosurgical implantations. Brain and neuroscience advances, 5, 23982128211036332.

Diao Y, et al. (2021) PIRACY: An Optimized Pipeline for Functional Connectivity Analysis in the Rat Brain. Frontiers in neuroscience, 15, 602170.

Hosoi R, et al. (2021) Evaluation of intracellular processes in quinolinic acid-induced brain damage by imaging reactive oxygen species generation and mitochondrial complex I activity. EJNMMI research, 11(1), 99.

Tristão Pereira C, et al. (2021) Synchronous nonmonotonic changes in functional connectivity and white matter integrity in a rat model of sporadic Alzheimer's disease. NeuroImage, 225, 117498.

Groeneboom NE, et al. (2020) Nutil: A Pre- and Post-processing Toolbox for Histological Rodent Brain Section Images. Frontiers in neuroinformatics, 14, 37.

Doan TP, et al. (2019) Convergent Projections from Perirhinal and Postrhinal Cortices Suggest a Multisensory Nature of Lateral, but Not Medial, Entorhinal Cortex. Cell reports, 29(3), 617.

Bjerke IE, et al. (2018) Navigating the Murine Brain: Toward Best Practices for Determining and Documenting Neuroanatomical Locations in Experimental Studies. Frontiers in neuroanatomy, 12, 82.

Xia XL, et al. (2016) Laser-evoked cortical responses in freely-moving rats reflect the activation of C-fibre afferent pathways. NeuroImage, 128, 209.

Schubert N, et al. (2016) 3D Reconstructed Cyto-, Muscarinic M2 Receptor, and Fiber Architecture of the Rat Brain Registered to the Waxholm Space Atlas. Frontiers in neuroanatomy, 10, 51.

Calabrese E, et al. (2015) A Diffusion MRI Tractography Connectome of the Mouse Brain and Comparison with Neuronal Tracer Data. Cerebral cortex (New York, N.Y. : 1991), 25(11), 4628.

Hu L, et al. (2015) Was it a pain or a sound? Across-species variability in sensory sensitivity. Pain, 156(12), 2449.

Lancelot S, et al. (2014) A multi-atlas based method for automated anatomical rat brain MRI segmentation and extraction of PET activity. PloS one, 9(10), e109113.