Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 19, 2025

WFU PickAtlas

RRID:SCR_007378
Type: Tool

Proper Citation

WFU PickAtlas (RRID:SCR_007378)

Resource Information

URL: http://fmri.wfubmc.edu/software/PickAtlas

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Description: A software toolbox that provides a method for generating Region of Interest (ROI) masks based on the Talairach Daemon database. The atlases include Brodmann area, Lobar, Hemisphere, Anatomic Label (gyral anatomy), and Tissue type. The atlases have been extended to the vertex in MNI space, and corrected for the precentral gyrus anomaly. Additional atlases (including non-human atlases) can be added without difficulty.

Abbreviations: PickAtlas

Synonyms: WFU_PickAtlas

Resource Type: data processing software, image processing software, software resource, software application

Defining Citation: PMID:12880848

Keywords: neuroanatomy, cytoarchitecture, fmri, matlab, brain, brain region, talairach daemon, analyze, atlas application, matlab, microsoft, magnetic resonance, posix/unix-like, win32 (ms windows), windows, FASEB list

Funding: NIBIB 1R03EB008670

Availability: WFU ANSIR License

Resource Name: WFU PickAtlas

Resource ID: SCR_007378

Alternate IDs: nif-0000-00358

Record Creation Time: 20220129T080241+0000

Record Last Update: 20250417T065313+0000

Ratings and Alerts

No rating or validation information has been found for WFU PickAtlas.

No alerts have been found for WFU PickAtlas.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1146 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Zheng Y, et al. (2025) Neural representation of sensorimotor features in language-motor areas during auditory and visual perception. Communications biology, 8(1), 41.

Yu F, et al. (2025) Therapeutic Metaphors Enhance Memory Systems in Mental Health Contexts. Brain and behavior, 15(1), e70270.

Lim SH, et al. (2025) Prediction of Hemifacial Spasm Re-Appearing Phenomenon after Microvascular Decompression Surgery in Patients with Hemifacial Spasm Using Dynamic Susceptibility Contrast Perfusion Magnetic Resonance Imaging. Journal of Korean Neurosurgical Society, 68(1), 46.

Della Rosa PA, et al. (2025) The Neurodevelopmental Dynamics of Multilingual Experience During Childhood: A Longitudinal Behavioral, Structural, and Functional MRI Study. Brain sciences, 15(1).

Sönmez Ö, et al. (2025) The impact of transcutaneous vagus nerve stimulation on anterior cingulate cortex activity in a cognitive control task. Psychophysiology, 62(1), e14739.

Ruppert-Junck MC, et al. (2024) Random forest analysis of midbrain hypometabolism using [18F]-FDG PET identifies Parkinson's disease at the subject-level. Frontiers in computational neuroscience, 18, 1328699.

Leenaerts N, et al. (2024) The relation between stress-induced dopamine release in the ventromedial prefrontal cortex, fronto-striatal functional connectivity, and negative urgency: A multimodal investigation using [18F]Fallypride PET, MRI and experience sampling. Behavioural brain research, 471, 115138.

Aberg KC, et al. (2024) The neurobehavioral correlates of exploration without learning: Trading off value for explicit, prospective, and variable information gains. Cell reports, 43(3), 113880.

McCurdy LY, et al. (2024) Neural correlates of altered emotional responsivity to infant stimuli in mothers who use substances. Journal of psychiatric research, 171, 126.

Errante A, et al. (2024) Lesion mapping and functional characterization of hemiplegic children with different patterns of hand manipulation. NeuroImage. Clinical, 41, 103575.

Chen X, et al. (2024) Alterations of amygdala volume and functional connectivity in migraine patients comorbid with and without depression. Brain and behavior, 14(2), e3427.

Chu M, et al. (2024) Vascular dysfunction in sporadic bvFTD: white matter hyperintensity and peripheral vascular biomarkers. Alzheimer's research & therapy, 16(1), 72.

Motoyama H, et al. (2024) The Neural Basis of a Cognitive Function That Suppresses the Generation of Mental Imagery: Evidence from a Functional Magnetic Resonance Imaging Study. Vision (Basel, Switzerland), 8(2).

Schäfer L, et al. (2024) The scent of cuteness-neural signatures of infant body odors. Social cognitive and affective neuroscience, 19(1).

Lifanov-Carr J, et al. (2024) Reconstructing Spatiotemporal Trajectories of Visual Object Memories in the Human Brain. eNeuro, 11(9).

Cho I, et al. (2024) Effects of Age on Cross-Cultural Differences in the Neural Correlates of Memory Retrieval. bioRxiv : the preprint server for biology.

Tarrano C, et al. (2024) Association of abnormal explicit sense of agency with cerebellar impairment in myoclonus-dystonia. Brain communications, 6(2), fcae105.

Yang CJ, et al. (2024) Embodied metacognition as strengthened functional connection between neural correlates of metacognition and dance in dancers: exploring creativity implications. Frontiers in human neuroscience, 18, 1347386.

Joensen BH, et al. (2024) An Enduring Role for Hippocampal Pattern Completion in Addition to an Emergent Nonhippocampal Contribution to Holistic Episodic Retrieval after a 24?h Delay. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(18).

Terada T, et al. (2024) Neuroinflammation following anti-parkinsonian drugs in early Parkinson's disease: a longitudinal PET study. Scientific reports, 14(1), 4708.