

Resource Summary Report

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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., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Abbreviations: PickAtlas

Synonyms: WFU_PickAtlas

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

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: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: WFU PickAtlas

Resource ID: SCR_007378

Alternate IDs: nif-0000-00358

Record Creation Time: 20220129T080241+0000

Record Last Update: 20260905T132611+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 1276 mentions in open access literature.

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

Wirz L, et al. (2026) Unravelling the neurocognitive mechanisms underlying counterconditioning in humans. eLife, 13.

Jung J, et al. (2026) Evaluation of the association between MREPT-derived conductivity and IVIM-derived ISF-related metrics in the brains of patients with cognitive impairments. Frontiers in aging neuroscience, 18, 1828803.

Bestelmeyer PEG, et al. (2026) Context effects on the processing hierarchy of vocal expressions. Cerebral cortex (New York, N.Y. : 1991), 36(1).

Andersson P, et al. (2025) Age Differences in Brain Functional Connectivity Underlying Proactive Interference in Working Memory. Human brain mapping, 46(5), e70189.

Lin SH, et al. (2025) Structural Brain Changes in Patients with Congenital Anosmia: MRI-Based Analysis of Gray- and White-Matter Volumes. Diagnostics (Basel, Switzerland), 15(15).

Nakamura T, et al. (2025) System-wise balance evaluation and its association with structural brain changes in Parkinson's disease. Clinical neurology and neurosurgery, 257, 109040.

Wlad M, et al. (2025) Emotion anticipation and processing in depression: Behavioral, neural, and physiological reactivity. European psychiatry : the journal of the Association of European Psychiatrists, 68(1), e68.

Vetter S, et al. (2025) Intranasal oxytocin blunts amygdala response to negative affective stimuli in males and females with alcohol use disorder: a randomized controlled cross-over trial. Psychopharmacology, 242(9), 1995.

Pirc M, et al. (2025) Perceptual differences in olfactory fat discrimination are not detected in neural activation. *Chemical senses*, 50.

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

Kemna RE, et al. (2025) Mitochondrial DNA affects tau phosphorylation in aging and Alzheimer's disease. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 21(7), e70390.

Ye J, et al. (2025) Structural and functional thalamic alterations in major depressive disorder with comorbid chronic pain. *Scientific reports*, 15(1), 16854.

Nguyen TT, et al. (2025) Altered gray matter volume in chronic temporomandibular disorder pain with pain catastrophizing: a voxel-based morphometry study. *BMC oral health*, 25(1), 881.

Tolosa-Ramirez D, et al. (2025) Beyond the left cerebral hemisphere: bilateral language lateralization in healthy aging and its clinical implications. *Frontiers in aging neuroscience*, 17, 1547162.

Kim GW, et al. (2025) Hippocampal subfield volume differences between female-to-male transgender individuals with cross-sex hormone therapy and cisgender women. *Frontiers in neuroscience*, 19, 1477725.

Li LL, et al. (2025) Impact of effective connectivity within the Papez circuit on episodic memory: moderation by perivascular space function. *Alzheimer's research & therapy*, 17(1), 66.

Blum EG, et al. (2025) Physical activity and APOE neuropathology score modify the association of age and [11C]-PiB-PET amyloid burden in a cohort enriched with risk for Alzheimer's disease. *medRxiv : the preprint server for health sciences*.

L??vdal SS, et al. (2025) IRMA: Machine learning-based harmonization of 18 F-FDG PET brain scans in multi-center studies. *European journal of nuclear medicine and molecular imaging*, 52(8), 2941.

Arnold P, et al. (2025) Post mortem cadaveric and imaging mapping analysis of the influence of cochlear implants on cMRI assessment regarding implant positioning and artifact formation. *European archives of oto-rhino-laryngology : official journal of the European Federation of Oto-Rhino-Laryngological Societies (EUFOS) : affiliated with the German Society for Oto-Rhino-Laryngology - Head and Neck Surgery*, 282(6), 2947.

Guedj E, et al. (2025) Emotional stress during the COVID-19 lockdown: how negative X/Twitter posts correlated with changes in the brain's fear network. *Frontiers in nuclear medicine*, 5, 1575026.