

Resource Summary Report

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Advanced Neuroscience Imaging Research Laboratory Software Packages

RRID:SCR_002926

Type: Tool

Proper Citation

Advanced Neuroscience Imaging Research Laboratory Software Packages
(RRID:SCR_002926)

Resource Information

URL: <http://www.fmri.wfubmc.edu/cms/software>

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Description: Research group based in the Department of Radiology of Wake Forest University School of Medicine devoted to the application of novel image analysis methods to research studies. The ANSIR lab also maintains a fully-automated functional and structural image processing pipeline supporting the image storage and analysis needs of a variety of scientists and imaging studies at Wake Forest. Software packages and toolkits are currently available for download from the ANSIR Laboratory, including: WFU Biological Parametric Mapping Toolbox, WFU_PickAtlas, and Adaptive Staircase Procedure for E-Prime.

Abbreviations: ANSIR Software

Synonyms: Advanced Neuroscience Imaging Research Software, ANSIR Laboratory Software Packages

Resource Type: software resource, software toolkit

Keywords: multimodal, image, analysis, biological, parametric, mapping, voxel, linear, model, regressor, software, matlab, visualization, statistical, inference, in vivo, brain imaging, brain

Funding: NIBIB R01EB004673;
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Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Advanced Neuroscience Imaging Research Laboratory Software Packages

Resource ID: SCR_002926

Alternate IDs: nif-0000-30033

License: Public, Free, Software contains license agreement

Record Creation Time: 20220129T080216+0000

Record Last Update: 20260905T133228+0000

Ratings and Alerts

No rating or validation information has been found for Advanced Neuroscience Imaging Research Laboratory Software Packages.

No alerts have been found for Advanced Neuroscience Imaging Research Laboratory Software Packages.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 38 mentions in open access literature.

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

Hurzeler T, et al. (2025) Cannabidiol attenuates precuneus activation during appetitive cue exposure in individuals with alcohol use disorder. European archives of psychiatry and clinical neuroscience.

Logge WB, et al. (2024) The effects of N-acetyl cysteine on intrinsic functional connectivity and neural alcohol cue reactivity in treatment-seeking individuals with alcohol use disorder: a preliminary study. Psychopharmacology.

Papitto G, et al. (2024) Distinct neural mechanisms for action access and execution in the human brain: insights from an fMRI study. Cerebral cortex (New York, N.Y. : 1991), 34(4).

H??bner AM, et al. (2022) Interindividual differences in interoception modulate behavior and brain responses in emotional inference. NeuroImage, 261, 119524.

Bao YW, et al. (2022) The fractional amplitude of low-frequency fluctuations signals related to amyloid uptake in high-risk populations-A pilot fMRI study. Frontiers in aging neuroscience, 14, 956222.

- Valli M, et al. (2021) VMAT2 availability in Parkinson's disease with probable REM sleep behaviour disorder. *Molecular brain*, 14(1), 165.
- Morley KC, et al. (2021) High-dose baclofen attenuates insula activation during anticipatory anxiety in treatment-seeking alcohol dependant individuals: Preliminary findings from a pharmaco-fMRI study. *European neuropsychopharmacology : the journal of the European College of Neuropsychopharmacology*, 46, 28.
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- Trempler I, et al. (2020) Impaired context-sensitive adjustment of behaviour in Parkinson's disease patients tested on and off medication: An fMRI study. *NeuroImage*, 212, 116674.
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- Cho SS, et al. (2019) Decreased pallidal vesicular monoamine transporter type 2 availability in Parkinson's disease: The contribution of the nigropallidal pathway. *Neurobiology of disease*, 124, 176.
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- Wang Y, et al. (2017) Resting-state functional connectivity changes within the default mode network and the salience network after antipsychotic treatment in early-phase schizophrenia. *Neuropsychiatric disease and treatment*, 13, 397.
- Ferris LJ, et al. (2016) Increased Pain Communication following Multiple Group Memberships Salience Leads to a Relative Reduction in Pain-Related Brain Activity. *PloS one*, 11(9), e0163117.
- Horndasch S, et al. (2016) Increased anticipatory but decreased consummatory brain responses to food in sisters of anorexia nervosa patients. *BJPsych open*, 2(4), 255.