

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: 20260725T191226+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 37 mentions in open access literature.

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

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.

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.

Elward RL, et al. (2021) When the brain, but not the person, remembers: Cortical reinstatement is modulated by retrieval goal in developmental amnesia. *Neuropsychologia*, 154, 107788.

Koelkebeck K, et al. (2021) Case of Asperger's Syndrome and Lesion of the Right Amygdala: Deficits in Implicit and Explicit Fearful Face Recognition. *Frontiers in psychology*, 12, 677549.

Aldusary N, et al. (2020) Abnormal Connectivity and Brain Structure in Patients With Visual Snow. *Frontiers in human neuroscience*, 14, 582031.

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.

Al-Zubaidi A, et al. (2020) Effects of hunger, satiety and oral glucose on effective connectivity between hypothalamus and insular cortex. *NeuroImage*, 217, 116931.

Williams EH, et al. (2020) Examining the value of body gestures in social reward contexts. *NeuroImage*, 222, 117276.

Torres-Prioris MJ, et al. (2019) Language as a Threat: Multimodal Evaluation and Interventions for Overwhelming Linguistic Anxiety in Severe Aphasia. *Frontiers in psychology*, 10, 678.

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.

Rebelos E, et al. (2019) Brain glucose uptake is associated with endogenous glucose production in obese patients before and after bariatric surgery and predicts metabolic outcome at follow-up. *Diabetes, obesity & metabolism*, 21(2), 218.

Ganella DE, et al. (2017) Prefrontal-Amygdala Connectivity and State Anxiety during Fear Extinction Recall in Adolescents. *Frontiers in human neuroscience*, 11, 587.

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.

Vega JN, et al. (2016) Altered Brain Connectivity in Early Postmenopausal Women with Subjective Cognitive Impairment. *Frontiers in neuroscience*, 10, 433.

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.