

Resource Summary Report

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REX

RRID:SCR_002532

Type: Tool

Proper Citation

REX (RRID:SCR_002532)

Resource Information

URL: <https://www.nitrc.org/projects/rex/>

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Description: A stand-alone MATLAB-based toolkit for the rapid and flexible exploration of Region of Interest (ROI) response waveforms and other signals from across large fMRI datasets. An alpha-release is currently available for use with an example dataset and tutorial.

Abbreviations: REX

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

Keywords: analyze, linux, macos, matlab, magnetic resonance, nifti, posix/unix-like, time domain analysis, visualization, workflow, region of interest, fmri

Availability: Free, Available for download, Freely available

Resource Name: REX

Resource ID: SCR_002532

Alternate IDs: nlx_155937

Alternate URLs: <http://www.nitrc.org/projects/rex>

Old URLs: <http://www.neuroimaging.org.au/nig/rex>

License: GNU General Public License

Record Creation Time: 20220129T080213+0000

Record Last Update: 20260821T193646+0000

Ratings and Alerts

No rating or validation information has been found for REX.

No alerts have been found for REX.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 42 mentions in open access literature.

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

Oliver KI, et al. (2025) Impacts of early life adversity on the neurocircuitry of emotional memory in children. *Development and psychopathology*, 37(4), 2126.

Alotaibi S, et al. (2025) Neural adaptations in short-term learning of sign language revealed by fMRI and DTI. *Scientific reports*, 15(1), 5345.

Pingue V, et al. (2025) Brain glucose metabolism in patients with traumatic brain injury undergoing rehabilitation: a longitudinal 18F-FDG PET study. *Frontiers in neurology*, 16, 1556427.

Korotkov A, et al. (2025) The Task-Based fMRI Using von Zerssen Scale in Recurrent Depression Disorder: A Replication Study. *Depression and anxiety*, 2025, 2617054.

Arioli M, et al. (2025) Neural correlates of executive dysfunction in alcohol use disorder: preliminary evidence from 18F-FDG-PET. *Frontiers in psychology*, 16, 1568085.

Lee H, et al. (2025) Effect of Chewing Hardness on Cognitive-Associated Brain Regions Activation. *International dental journal*, 75(3), 1798.

Roeckner AR, et al. (2025) Sequential decreases in basolateral amygdala response to threat predict failure to recover from PTSD. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*, 50(10), 1573.

You B, et al. (2024) Pain resilience dimensions and regional gray matter volume as risk factors for poor outcomes of chronic pain: a prospective cohort study. *Psychological medicine*, 54(13), 1.

Leelaarporn P, et al. (2024) Hippocampal subfields and their neocortical interactions during autobiographical memory. *Imaging neuroscience (Cambridge, Mass.)*, 2.

Shields GS, et al. (2024) Heightened neural activity and functional connectivity responses to social rejection in female adolescents at risk for depression: Testing the Social Signal Transduction Theory of Depression. *Journal of affective disorders*, 345, 467.

Boccalini C, et al. (2024) The diagnostic and prognostic value of tau-PET in amnestic MCI with different FDG-PET subtypes. *Annals of clinical and translational neurology*, 11(5), 1236.

You B, et al. (2024) Resting-state brain activity as a biomarker of chronic pain impairment and a mediator of its association with pain resilience. *Human brain mapping*, 45(10), e26780.

Pilotto A, et al. (2024) Insular monoaminergic deficits in prodromal α -synucleinopathies. *Annals of clinical and translational neurology*, 11(11), 2836.

Vucurovic K, et al. (2023) Activation of the left medial temporal gyrus and adjacent brain areas during affective theory of mind processing correlates with trait schizotypy in a nonclinical population. *Social cognitive and affective neuroscience*, 18(1).

Gruzman R, et al. (2023) Investigation of Neurofunctional Changes Over the Course of Electroconvulsive Therapy. *The international journal of neuropsychopharmacology*, 26(1), 20.

Mäki-Marttunen V, et al. (2023) Functional connectivity of the visual cortex in chronic migraine before and after medication withdrawal therapy. *NeuroImage. Clinical*, 40, 103543.

Domke AK, et al. (2023) Functional connectivity changes between amygdala and prefrontal cortex after ECT are associated with improvement in distinct depressive symptoms. *European archives of psychiatry and clinical neuroscience*, 273(7), 1489.

Zheltyakova M, et al. (2022) Social Interaction With an Anonymous Opponent Requires Increased Involvement of the Theory of Mind Neural System: An fMRI Study. *Frontiers in behavioral neuroscience*, 16, 807599.

Kaiser A, et al. (2022) A Developmental Perspective on Facets of Impulsivity and Brain Activity Correlates From Adolescence to Adulthood. *Biological psychiatry. Cognitive neuroscience and neuroimaging*, 7(11), 1103.

Boccalini C, et al. (2022) Gender differences in dopaminergic system dysfunction in de novo Parkinson's disease clinical subtypes. *Neurobiology of disease*, 167, 105668.