# Resource Summary Report

Generated by PRECISE-TBI on Jul 31, 2026

## 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:** image analysis software, software toolkit, software application, data processing software, software resource

**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:** 20260801T042518+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 40 mentions in open access literature.

**Listed below are recent publications.** The full list is available at PRECISE-TBI .


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.

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.

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 ?-synucleinopathies. Annals of clinical and translational neurology, 11(11), 2836.

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.

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

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).

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.

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

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.

Weigand A, et al. (2022) Predicting Antidepressant Effects of Ketamine: the Role of the Pregenual Anterior Cingulate Cortex as a Multimodal Neuroimaging Biomarker. The international journal of neuropsychopharmacology, 25(12), 1003.

Pravatà E, et al. (2021) Migraine in Multiple Sclerosis Patients Affects Functional Connectivity of the Brain Circuitry Involved in Pain Processing. Frontiers in neurology, 12, 690300.