

Resource Summary Report

Generated by PRECISE-TBI on Aug 1, 2026

APERTURE

RRID:SCR_014082

Type: Tool

Proper Citation

APERTURE (RRID:SCR_014082)

Resource Information

URL: <http://www.nitrc.org/projects/aperture/>

Proper Citation: APERTURE (RRID:SCR_014082)

Description: A MATLAB-based toolbox for analysis of EEG, MEG, and ECoG data. APERTURE allows flexible multivariate analysis of ERPs and oscillatory activity and supports mass-univariate analysis with advanced statistical tests. Computations are accelerated using parallel computing supported through the MATLAB distributed computing toolbox. Examination of large, high-dimensional datasets is made simple through data visualization tools, including advanced plotting routines and generation of PDF reports with many figures.

Synonyms: Analysis of Patterns in Electrophysiological Recordings Toolbox with Utilities for REsearch

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

Keywords: matlab, software toolkit, workflow software, toolbox, multivariate analysis, data analysis

Resource Name: APERTURE

Resource ID: SCR_014082

License: GNU Lesser General Public License

Record Creation Time: 20220129T080318+0000

Record Last Update: 20260801T042725+0000

Ratings and Alerts

No rating or validation information has been found for APERTURE.

No alerts have been found for APERTURE.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Jarmas AE, et al. (2021) Progenitor transcriptome changes coordinated by Tsc1 increase perception of Wnt signals to end nephrogenesis. Nature communications, 12(1), 6332.

Finkel L, et al. (2019) Does it still fit? - Adapting affordance judgments to altered body properties in young and older adults. PloS one, 14(12), e0226729.

Fernandez-Palomo C, et al. (2015) γ-H2AX as a marker for dose deposition in the brain of wistar rats after synchrotron microbeam radiation. PloS one, 10(3), e0119924.