

Resource Summary Report

Generated by [kravitz2](#) on Sep 16, 2026

FieldTrip

RRID:SCR_004849

Type: Tool

Proper Citation

FieldTrip (RRID:SCR_004849)

Resource Information

URL: <https://www.fieldtriptoolbox.org>

Proper Citation: FieldTrip (RRID:SCR_004849)

Description: Software toolbox for analysis of MEG, EEG, and other electrophysiological data. Used by experimental neuroscientists.

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

Defining Citation: [PMID:21253357](#)

Keywords: MEG, EEG, iEEG, analysis, data, time, frequency, source, reconstruction, dipole, beamformers, non parametric, statistical, testing

Funding: Human Connectome project ;
Netherlands Ministry of Economic Affairs ;
Netherlands Ministry of Education Culture and Science ;
NIH Blueprint for Neuroscience Research

Availability: Free, Available for download, Freely available, Tutorial available

Resource Name: FieldTrip

Resource ID: SCR_004849

Alternate IDs: nlx_143928

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

License: GNU General Public License

Record Creation Time: 20220129T080226+0000

Record Last Update: 20260912T195617+0000

Ratings and Alerts

No rating or validation information has been found for FieldTrip.

No alerts have been found for FieldTrip.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3297 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Strube A, et al. (2026) Temporal predictions shape somatosensory perception. *Nature communications*, 17(1).

Cheng I, et al. (2026) Metaplasticity in swallowing system via cross-modal neurostimulation: A randomized crossover trial with magnetoencephalography. *Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics*, 23(1), e00835.

D??feld A, et al. (2026) How Does Paternal Odor Influence Perception of Fearful and Happy Faces in Infancy? *Infancy : the official journal of the International Society on Infant Studies*, 31(2), e70081.

Zhunussova A, et al. (2026) Pupil dilation as a marker of attention/effort in aging and mild cognitive impairment. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 22(3), e71180.

Sghirripa S, et al. (2026) The Relationship Between Task-Related Aperiodic EEG Activity, Neural Inefficiency and Verbal Working Memory in Younger and Older Adults. *Psychophysiology*, 63(2), e70255.

Cai G, et al. (2026) Multi-dimensional EEG analysis reveals distinct neurophysiological patterns in Alzheimer's and frontotemporal dementia. *Journal of neuroengineering and rehabilitation*, 23(1).

Bianco R, et al. (2026) Human newborns form musical predictions based on rhythmic but not melodic structure. *PLoS biology*, 24(2), e3003600.

Fan JM, et al. (2026) Thalamic connectivity mirrors spatial maps of network dysfunction in nonlesional focal epilepsy. *Epilepsia*, 67(6), 3023.

Kingir E, et al. (2026) Disentangling Respiratory Phase-Dependent and Phase-Independent Components of Anticipatory Cardiac Deceleration. *Psychophysiology*, 63(3), e70271.

Elmers J, et al. (2026) Directed Communication in Theta and Alpha Networks Supports Content Handling in Working Memory. *Human brain mapping*, 47(7), e70537.

Limburg R, et al. (2026) Altered neural oscillatory dynamics underlie reduced anticipatory schema use during event segmentation in adolescents with High-Functioning Autism Spectrum disorder. *NeuroImage. Clinical*, 50, 103998.

Santhana Gopalan PR, et al. (2026) Impact of cardiac cycle and respiratory rhythm phase on visual attention in healthy young and older adults. *Scientific reports*, 16(1).

Brilliant , et al. (2026) Alpha oscillatory activity reveals focused-attentional disparity between cochlear implant users and normal hearing listeners. *Scientific reports*, 16(1).

Ahmadi Ghomroudi P, et al. (2026) EEG Based Decoding of the Perception and Regulation of Taboo Words. *Psychophysiology*, 63(5), e70318.

Qin X, et al. (2026) Esketamine Preserves Network Connectivity and Promotes Recovery in Consciousness Disorders. *CNS neuroscience & therapeutics*, 32(5), e70890.

Soldic D, et al. (2026) Multivariate Pattern Analysis Identifies Potential Intertrial Resting-State EEG Biomarkers in Fibromyalgia. *The European journal of neuroscience*, 63(9), e70521.

Champetier P, et al. (2026) Sleep-like slow waves during resting-state: A promising EEG biomarker of amyloid and neurodegeneration in preclinical Alzheimer's disease. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 22(6), e71514.

Ramne M, et al. (2026) Resting-State Theta and Alpha Oscillations in Amputation and Phantom Limb Pain: A Pre-Registered High-Density EEG Study. *Brain topography*, 39(4).

Lin X, et al. (2026) Depression symptoms are associated with affective neural processing during sleep and rest. *bioRxiv : the preprint server for biology*.

Watts DA, et al. (2026) Listening to a Consonant Chord Progression during Live Face-to-Face Gaze Enhances Neural Activity in Social Systems. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 46(15).