

Resource Summary Report

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FieldTrip

RRID:SCR_004849

Type: Tool

Proper Citation

FieldTrip (RRID:SCR_004849)

Resource Information

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

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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: 20260905T132525+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 [Kravitz](#) .

Yan YH, et al. (2026) Protocol to investigate neurophysiological link between resting-state brain activity and clinical symptoms in methamphetamine use disorder. STAR protocols, 7(1), 104276.

Li Z, et al. (2026) A practical preprocessing pipeline for concurrent TMS-iEEG: Critical steps and methodological considerations. NeuroImage, 325, 121677.

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

van Schalkwijk FJ, et al. (2026) Aperiodic 1/f noise drives ripple activity in humans. Nature communications, 17(1), 746.

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.

Stier C, et al. (2026) Comprehensive evaluation of EEG spatial sampling, head modelling and parcellation effects on network alterations in idiopathic generalized epilepsy. Brain communications, 8(1), fcag022.

Redding ZV, et al. (2026) Frequency-specific attentional mechanisms phasically modulate the influence of distractors on task performance. PLoS biology, 24(2), e3003664.

Gordon PC, et al. (2026) Investigating the effects of TMS-related somatosensory inputs on TMS-evoked potentials provides evidence against significant interaction. Scientific reports, 16(1), 4317.

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).

Li JX, et al. (2026) Cortical inhibition and activation during sensorimotor tasks in an aquatic environment: a pilot EEG study based on expert-novice paradigm. *Frontiers in sports and active living*, 8, 1660332.

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).

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.

Zhunossova 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.

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

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

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

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).

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

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