

Resource Summary Report

Generated by PRECISE-TBI on Jul 30, 2026

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: software application, data analysis software, software resource, data processing software, 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 ;
NIH Blueprint for Neuroscience Research ;
Netherlands Ministry of Economic Affairs ;
Netherlands Ministry of Education Culture and Science

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: 20260729T044110+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 3073 mentions in open access literature.

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

Drew A, et al. (2026) Binocular Rivalry: Evaluating the Role of Theta Power as a Neural Index of Conflict. The European journal of neuroscience, 63(1), e70372.

van Haren JJG, et al. (2026) Tonal Surprisal and Contextual Shifts Evoke Distinct Pupil Dilation During Dynamic Sound Sequences. The European journal of neuroscience, 63(1), e70380.

Röhr H, et al. (2026) Decoding the Self: Single-Trial Prediction of Self-Boundary Meditation States From Magnetoencephalography Recordings. Human brain mapping, 47(1), e70440.

Wehmeyer L, et al. (2026) Thalamo-frontal functional connectivity patterns in Tourette Syndrome: Insights from combined intracranial DBS and EEG recordings. Molecular psychiatry, 31(1), 231.

Burke R, et al. (2026) Modulation of Non-Rhythmic Temporal Prediction by Subthalamic Nucleus Deep Brain Stimulation (STN-DBS) in Parkinson's Disease. Movement disorders : official journal of the Movement Disorder Society.

Dzianok P, et al. (2025) Alzheimer's disease-like features in resting state EEG/fMRI of cognitively intact and healthy middle-aged APOE/PICALM risk carriers. Journal of Alzheimer's disease : JAD, 104(2), 509.

He Z, et al. (2025) Early Prediction of the Evolution of Self-Limited Epilepsy With Centrottemporal Spikes to Epileptic Encephalopathy With Spike-and-Wave Activation in Sleep: A Prediction Model Construction Based on Quantitative Electroencephalography Characteristics. CNS neuroscience & therapeutics, 31(3), e70268.

Duan W, et al. (2025) Electrophysiological signatures underlying variability in human memory consolidation. Nature communications, 16(1), 2472.

Grabenhorst M, et al. (2025) Neural signatures of temporal anticipation in human cortex represent event probability density. Nature communications, 16(1), 2602.

Steina A, et al. (2025) Oscillatory Coupling Between Thalamus, Cerebellum, and Motor Cortex in Essential Tremor. *Movement disorders : official journal of the Movement Disorder Society*, 40(5), 896.

Sabater-Gárriz Á, et al. (2025) Affective touch enhances low gamma activity during hand proprioceptive perception in children with different neurodevelopmental conditions. *Frontiers in human neuroscience*, 19, 1538428.

Sonoda M, et al. (2025) Optogenetically-induced sustained hypothalamic hyperexcitability impairs memory via thalamic spread. *Epilepsia*, 66(6), 2137.

Zhang X, et al. (2025) Post-Movement Beta Synchronization Induced by Speed Effects IHI from Ipsilateral to Contralateral Motor Cortex. *eNeuro*, 12(3).

Lu J, et al. (2025) The contribution of body perception to self-identity: an event-related potential study. *Social cognitive and affective neuroscience*, 20(1).

Sengupta A, et al. (2025) Correspondence between thalamic injury-induced changes in resting-state fMRI of monkeys and their sensorimotor behaviors and neural activities. *NeuroImage. Clinical*, 45, 103753.

Lin Q, et al. (2025) Protocol to study the neural mechanism of music therapy in alleviating depression using EEG-LFP signal recording. *STAR protocols*, 6(1), 103602.

Kang JU, et al. (2025) Parietal cortex is recruited by frontal and cingulate areas to support action monitoring and updating during stopping. *bioRxiv : the preprint server for biology*.

Sosnik R, et al. (2025) Key shifts in frontoparietal network activity in Parkinson's disease. *NPJ Parkinson's disease*, 11(1), 2.

Hohn VD, et al. (2025) Neurofeedback and attention modulate somatosensory alpha oscillations but not pain perception. *PLoS biology*, 23(1), e3002972.

Agnorelli C, et al. (2025) Neurophysiological correlates of ketamine-induced dissociative state in bipolar disorder: insights from real-world clinical settings. *Molecular psychiatry*, 30(7), 2848.