

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

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: 20250508T064922+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 2666 mentions in open access literature.

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

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

Ortega-Auriol P, et al. (2025) The role of muscle synergies and task constraints on upper limb motor impairment after stroke. Experimental brain research, 243(1), 40.

Farrokhi A, et al. (2025) Exploring the Impact of Declarative Learning on the Consolidation of Acquired Motor Skills Under Valence Feedback. Human brain mapping, 46(2), e70105.

Dang G, et al. (2025) Are neurasthenia and depression the same disease entity? An electroencephalography study. BMC psychiatry, 25(1), 44.

Kronemer SI, et al. (2025) Eye metrics are a marker of visual conscious awareness and neural processing in cerebral blindness. bioRxiv : the preprint server for biology.

Lui TK, et al. (2025) Predicting the Irrelevant: Neural Effects of Distractor Predictability Depend on Load. The European journal of neuroscience, 61(2), e70005.

Chen JE, et al. (2025) Simultaneous EEG-PET-MRI identifies temporally coupled, spatially structured hemodynamic and metabolic dynamics across wakefulness and NREM sleep. bioRxiv : the preprint server for biology.

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

Koenig L, et al. (2025) Spontaneous slow cortical potentials and brain oscillations independently influence conscious visual perception. *PLoS biology*, 23(1), e3002964.

Pelentritou A, et al. (2025) Complex auditory regularity processing across levels of consciousness in coma: Stage 1 Registered Report. *Brain communications*, 7(1), fcae466.

Gil Avila C, et al. (2025) Assessing the balance between excitation and inhibition in chronic pain through the aperiodic component of EEG. *eLife*, 13.

Roshanaei M, et al. (2025) EEG-based functional and effective connectivity patterns during emotional episodes using graph theoretical analysis. *Scientific reports*, 15(1), 2174.

Gimenez-Aparisi G, et al. (2025) Abnormal dynamic features of cortical microstates for detecting early-stage Parkinson's disease by resting-state electroencephalography: Systematic analysis of the influence of eye condition. *Heliyon*, 11(1), e41500.

Westerberg JA, et al. (2025) Adaptation, not prediction, drives neuronal spiking responses in mammalian sensory cortex. *bioRxiv : the preprint server for biology*.

Kelardashti N, et al. (2025) Alpha and Theta Oscillations Associated With Behavioral Phenotypes of Pain-Attention Interaction. *Brain and behavior*, 15(1), e70190.

Leske S, et al. (2025) Beta oscillations predict the envelope sharpness in a rhythmic beat sequence. *Scientific reports*, 15(1), 3510.

García-Colomo A, et al. (2025) Effects of Alzheimer's disease plasma marker levels on multilayer centrality in healthy individuals. *Alzheimer's research & therapy*, 17(1), 8.

Ivanova M, et al. (2025) Frequency-specific changes in prefrontal activity associated with maladaptive belief updating in volatile environments in euthymic bipolar disorder. *Translational psychiatry*, 15(1), 13.

Mehraram R, et al. (2025) EEG reveals brain network alterations in chronic aphasia during natural speech listening. *Scientific reports*, 15(1), 2441.

Chen YP, et al. (2025) Cochlear implantation in adults with acquired single-sided deafness improves cortical processing and comprehension of speech presented to the non-implanted ears: a longitudinal EEG study. *Brain communications*, 7(1), fcdf001.