

# Resource Summary Report

Generated by [dkNET](#) on Apr 24, 2025

## FieldTrip

RRID:SCR\_004849

Type: Tool

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### Proper Citation

FieldTrip (RRID:SCR\_004849)

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### 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, software resource, software application, 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:** 20250424T064732+0000

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## Ratings and Alerts

No rating or validation information has been found for FieldTrip.

No alerts have been found for FieldTrip.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 2666 mentions in open access literature.

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

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.

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

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.

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

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), fcaf001.

Rosenblum Y, et al. (2025) Fractal cycles of sleep, a new aperiodic activity-based definition of sleep cycles. *eLife*, 13.

Mirzac D, et al. (2025) Targeting pathological brain activity-related to neuroinflammation through scRNA-seq for new personalized therapies in Parkinson's disease. *Signal transduction and targeted therapy*, 10(1), 10.

Saadatmehr B, et al. (2025) Auditory Rhythm Encoding during the Last Trimester of Human Gestation: From Tracking the Basic Beat to Tracking Hierarchical Nested Temporal Structures. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(4).

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.