

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 processing software, software application, data analysis software, software toolkit, 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: 20260806T054407+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 [dkNET](#) .

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.

Melcher D, et al. (2025) An early effect of the parafoveal preview on post-saccadic processing of English words. Attention, perception & psychophysics, 87(1), 94.

Sengupta A, et al. (2025) Reward expectation yields distinct effects on sensory processing and decision making in the human brain. PLoS biology, 23(7), e3003234.

Kobelt M, et al. (2025) Involuntary and voluntary memory retrieval relies on distinct neural representations and oscillatory processes. PLoS biology, 23(8), e3003258.

Huntley MK, et al. (2025) Functional Connectivity Is Stronger Between Unisensory and Multisensory Regions for Nonsimultaneous Judgments of Visual-Tactile Stimuli. Psychophysiology, 62(8), e70124.

Shpakivska-Bilan D, et al. (2025) High-power transient 12-30 Hz beta event features as early biomarkers of Alzheimer's disease conversion: An MEG study. Imaging

neuroscience (Cambridge, Mass.), 3.

Kam JWY, et al. (2025) Electrophysiological signatures of ongoing thoughts during naturalistic behavior. *Imaging neuroscience* (Cambridge, Mass.), 3.

Westner BU, et al. (2025) Typical neural adaptation for familiar images in autistic adolescents. *Imaging neuroscience* (Cambridge, Mass.), 3.

Gärtner C, et al. (2025) The readiness potential reflects detailed prediction of action outcome. *Imaging neuroscience* (Cambridge, Mass.), 3.

Beck V, et al. (2025) The effect of swearing on error-related negativity as an indicator for state disinhibition. *Quarterly journal of experimental psychology* (2006), 78(11), 2390.

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*.

Reisinger P, et al. (2025) Neural Speech Tracking Contribution of Lip Movements Predicts Behavioral Deterioration When the Speaker's Mouth Is Occluded. *eNeuro*, 12(2).

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

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.

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).

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.