

Resource Summary Report

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Brainstorm

RRID:SCR_001761

Type: Tool

Proper Citation

Brainstorm (RRID:SCR_001761)

Resource Information

URL: <http://neuroimage.usc.edu/brainstorm/>

Proper Citation: Brainstorm (RRID:SCR_001761)

Description: Software as collaborative, open source application dedicated to analysis of brain recordings: MEG, EEG, fNIRS, ECoG, depth electrodes and animal invasive neurophysiology. User-Friendly Application for MEG/EEG Analysis.

Abbreviations: Brainstorm

Synonyms: brainstorm3

Resource Type: data processing software, data analysis software, data visualization software, software resource, software application

Defining Citation: [PMID:21584256](#)

Keywords: MEG, EEG, data, magnetoencephalography, electroencephalography, visualization, processing, analysis, brain, recording, fNIRS, ECoG, electrophysiology

Funding: NIBIB R01 EB002010;
NIBIB R01 EB009048;
NIBIB R01 EB000473;
NIBIB R01 EB026299;
CNRS ;
McGill University

Availability: Free, Available for download, Freely available

Resource Name: Brainstorm

Resource ID: SCR_001761

Alternate IDs: nif-0000-10267

Alternate URLs: <http://www.nitrc.org/projects/bst>, <https://github.com/brainstorm-tools/brainstorm3>

License: GNU General Public License

Record Creation Time: 20220129T080209+0000

Record Last Update: 20260731T042616+0000

Ratings and Alerts

No rating or validation information has been found for Brainstorm.

No alerts have been found for Brainstorm.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 558 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Martín CG, et al. (2025) How Orienting and Defence Drives Oscillatory Responses in Human Visual and Motor Cortical Circuits During Viewing of Threat Pictures: Evidence From ssVEPs and Beta-Band Desynchronization. The European journal of neuroscience, 61(12), e70157.

Kida T, et al. (2025) Finger and nerve selectivity of an early somatic-motor interaction: a magnetoencephalogram study. Cerebral cortex (New York, N.Y. : 1991), 35(5).

Otten K, et al. (2025) The maturation of infant and toddler visual cortex neural activity and associations with fine motor performance. Developmental cognitive neuroscience, 71, 101501.

Escalona-Vargas D, et al. (2025) A customized bed based stand alone array of optically pumped magnetometers for fetal magnetocardiography measurements. Scientific reports, 15(1), 7236.

Reindl C, et al. (2025) The prognostic value of cortical stimulation induced seizures using stereo EEG in presurgical evaluation of focal epilepsies. Scientific reports, 15(1), 7941.

Hirosawa T, et al. (2025) Baseline-dependent network reactivity to visual input in children with autism spectrum disorder: a magnetoencephalography study. Frontiers in psychiatry, 16, 1600973.

Xavier M, et al. (2025) Consistency of resting-state correlations between fMRI networks and EEG band power. Imaging neuroscience (Cambridge, Mass.), 3.

- de la Chapelle A, et al. (2025) Brain dynamics of the interplay between auditory selective attention and working memory during melody encoding. *Scientific reports*, 15(1), 22453.
- Li S, et al. (2025) Evaluating the temporal order of motor and auditory systems in speech production using intracranial EEG. *Communications biology*, 8(1), 1442.
- Hsiao FJ, et al. (2025) Temporal stability and neural complexity in resting-state MEG predict migraine phenotypes. *The journal of headache and pain*, 26(1), 280.
- Liu Q, et al. (2025) Phase-Specific Contributions and Interactions of the Left and Right Posterior Middle Temporal Gyri in Vocal Feedback Control: Evidence From Dual-Site TMS. *Human brain mapping*, 46(16), e70390.
- Berki ÁJ, et al. (2025) Subthalamic stimulation evokes hyperdirect high beta interruption and cortical high gamma entrainment in Parkinson's disease. *NPJ Parkinson's disease*, 11(1), 95.
- Narmashiri A, et al. (2025) Altered fronto-parietal alpha synchronization and coherence in paranormal believers. *Neuroimage. Reports*, 5(2), 100257.
- O'Neill GC, et al. (2025) Volume conductor models for magnetospinography. *Scientific reports*, 15(1), 26258.
- Di Giacomo R, et al. (2025) Anti-GAD65 musicogenic epilepsy: Bilateral and independent mesial temporal seizures revealed by foramen ovale electrodes. *Epilepsia open*, 10(2), 609.
- Monsoor T, et al. (2025) Mini-Seizures: Novel Interictal iEEG Biomarker Capturing Synchronization Network Dynamics at the Epileptogenic Zone. *medRxiv : the preprint server for health sciences*.
- Yu Y, et al. (2025) ERP-based evidence for the independent processing of structural and functional action semantics. *Frontiers in neuroscience*, 19, 1571972.
- Souza GV, et al. (2025) Visuoffective day residue in hypnagogia involves sequential bihemispheric interactions between cortical, subcortical, and cerebellar structures. *Communications biology*, 8(1), 997.
- Pan C, et al. (2025) The Effect of Forgetting Strategies on Memory Performance: Behavioral and Electroencephalography Evidence. *Brain sciences*, 15(12).
- Visani E, et al. (2025) Processing L2 action verbs shares the same mechanisms for processing L1 items: evidence from a combined behavioral and MEG study. *Frontiers in psychology*, 16, 1585897.