

# Resource Summary Report

Generated by [RRID](#) on Sep 10, 2026

## 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 analysis software, data processing software, data visualization software, software application, software resource

**Defining Citation:** [PMID:21584256](#)

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

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

**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:** 20260905T132438+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 622 mentions in open access literature.

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

Sahu T, et al. (2026) Electrophysiological and Psychological Correlates of Cognition in Adult Homozygous Sickle Cell Disease Patients. Annals of neurosciences, 09727531251403321.

Panchavati S, et al. (2026) Distinct Spectral and Directional Thalamocortical Network Dynamics Define Focal Seizure Evolution. medRxiv : the preprint server for health sciences.

Brilliant , et al. (2026) Alpha oscillatory activity reveals focused-attentional disparity between cochlear implant users and normal hearing listeners. Scientific reports, 16(1).

Lapatrie M, et al. (2026) Unsupervised Representation Learning Generates Differentiable Neurophysiological Profiles. bioRxiv : the preprint server for biology.

Khazali MF, et al. (2026) Sleep enhances gamma oscillations in the seizure onset zone and broadband activity in the irritative zone of focal cortical dysplasia. Epilepsia open, 11(2), 435.

Huang Q, et al. (2026) Differential GABA dynamics across brain functional networks in autism. Communications biology, 9(1), 283.

Hu L, et al. (2026) Harmonic patterns embedded in ictal EEG signals in focal epilepsy: new insight into the epileptogenic zone. BMC medicine, 24(1).

- D'Angelo M, et al. (2026) Parietal alpha frequency shapes own-body perception by modulating the temporal integration of bodily signals. *Nature communications*, 17(1), 53.
- Kawasoe R, et al. (2026) Wakeful targeted memory reactivation during short rest periods modulates early motor learning. *NPJ science of learning*, 11(1).
- Heers M, et al. (2026) Sleep magnetoencephalography enhances detection and source imaging of seizures and fast oscillations in focal cortical dysplasia. *Epilepsia*, 67(6), 2992.
- Green HL, et al. (2026) Resting-state periodic and aperiodic brain oscillations from birth to preschool years: Aperiodic maturity predicts developmental course. *Developmental cognitive neuroscience*, 79, 101709.
- Wang W, et al. (2026) Environment-Driven Synthetic Baseline Analysis and Optimization in Joint Measurement OPM-MEG Arrays. *Bioengineering (Basel, Switzerland)*, 13(6).
- Xiong H, et al. (2026) Recruitment patterns of hothubs and dark functional networks correlating activity and connectivity with magnetoencephalography. *Scientific reports*, 16(1), 4665.
- Lin Y, et al. (2026) Gamma-band cortical functional network abnormalities in late-life depression with suicidal ideation: insights from EEG graph theory and machine learning. *Journal of psychiatry & neuroscience : JPN*, 51, 1.
- Koepp MJ, et al. (2026) Intranasal Selet racetam in a Patient with Reading Epilepsy: First-in-Human Use to Prevent Reflex Seizures. *Annals of neurology*, 99(2), 535.
- König S, et al. (2026) Effects of perinatal asphyxia on cortical activity in two-year-old children. *NeuroImage. Clinical*, 49, 103933.
- Baradarantohidi E, et al. (2026) Abnormal hippocampo-cortical theta-gamma phase-amplitude coupling in Alzheimer's disease. *medRxiv : the preprint server for health sciences*.
- Magosso E, et al. (2026) Cortical alpha changes during visuospatial attention: a deep learning-enriched EEG analysis. *Cerebral cortex (New York, N.Y. : 1991)*, 36(3).
- Kölbl N, et al. (2026) Prediction, syntax and semantic grounding in the brain and large language models. *Scientific reports*, 16(1).
- Shaverdi Y, et al. (2026) Role of neuronal oscillations in memory driven visual processing. *BMC biology*, 24(1).