

Resource Summary Report

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

NUTMEG

RRID:SCR_002748

Type: Tool

Proper Citation

NUTMEG (RRID:SCR_002748)

Resource Information

URL: <https://github.com/UCSFBiomagneticImagingLab/nutmeg>

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Description: Software MEG/EEG analysis toolbox for reconstructing neural activation and overlaying it onto structural MR images. Toolbox runs under MATLAB in conjunction with SPM2 and can be used with Linux/UNIX, Mac OS X, and Windows platforms.

Abbreviations: NUTMEG

Synonyms: Neurodynamic Utility Toolbox for Magnetoencephalography and Electroencephalography

Resource Type: 1d time-series analysis software, data analysis software, data processing software, image analysis software, signal processing software, software application, software resource, time-series analysis software

Defining Citation: [PMID:16012626](#)

Keywords: MEG, EEG, analysis, reconstructing, neural, activation, overlaying, structural, MR, image, BRAIN Initiative

Funding: NIBIB EB022717;
NIDCD F31 DC006762;
NIDCD R01 DC004855

Resource Name: NUTMEG

Resource ID: SCR_002748

Alternate IDs: nif-0000-24052

Alternate URLs: <http://www.nitrc.org/projects/nutmeg>,

Old URLs: <http://www.radiology.ucsf.edu/research/labs/biomagnetic-imaging/nutmeg>

License: BSD License

Record Creation Time: 20220129T080215+0000

Record Last Update: 20260905T132453+0000

Ratings and Alerts

No rating or validation information has been found for NUTMEG.

No alerts have been found for NUTMEG.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 31 mentions in open access literature.

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

Tan S, et al. (2026) Impaired Speaking-Induced Suppression Predicts Degraded Agency and Hallucination Severity in Schizophrenia. *Biological psychiatry. Cognitive neuroscience and neuroimaging*, 11(6), 700.

Pourchet T, et al. (2026) Transcranial direct current stimulation (tDCS) over the dorso-lateral-prefrontal cortex in combination with exercises for the treatment of individuals with chronic low back pain (STOP-Low Back Pain Trial): study protocol for a randomised controlled trial. *BMJ open*, 16(3), e111649.

Kim KS, et al. (2025) Neurophysiological Evidence of Sensory Prediction Errors Driving Speech Sensorimotor Adaptation. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(27).

Anliker AE, et al. (2025) Neural correlates of fatigue after traumatic brain injury. *Brain communications*, 7(2), fcac082.

Picha AK, et al. (2025) Transferable Neural Network Potentials and Condensed Phase Properties. *Journal of chemical information and modeling*, 65(18), 9483.

Verma P, et al. (2024) Impaired long-range excitatory time scale predicts abnormal neural oscillations and cognitive deficits in Alzheimer's disease. *Alzheimer's research & therapy*, 16(1), 62.

Kshatriya N, et al. (2024) Structural and functional brain alterations in laryngeal dystonia: A coordinate-based activation likelihood estimation meta-analysis. *Human brain mapping*, 45(14), e70000.

Hinkley LBN, et al. (2023) Distinct neurophysiology during nonword repetition in logopenic and non-fluent variants of primary progressive aphasia. *Human brain mapping*, 44(14), 4833.

Krishna S, et al. (2023) Glioblastoma remodelling of human neural circuits decreases survival. *Nature*, 617(7961), 599.

Seeburger R, et al. (2023) Linking Methanogenesis in Low-Temperature Hydrothermal Vent Systems to Planetary Spectra: Methane Biosignatures on an Archean-Earth-like Exoplanet. *Astrobiology*, 23(4), 415.

Jin H, et al. (2023) Bayesian inference of a spectral graph model for brain oscillations. *NeuroImage*, 279, 120278.

Jin H, et al. (2023) Dynamic functional connectivity MEG features of Alzheimer's disease. *NeuroImage*, 281, 120358.

Bhutada AS, et al. (2022) Clinical Validation of the Champagne Algorithm for Evoked Response Source Localization in Magnetoencephalography. *Brain topography*, 35(1), 96.

Verma P, et al. (2022) Spectral graph theory of brain oscillations--Revisited and improved. *NeuroImage*, 249, 118919.

Mac-Auliffe D, et al. (2021) The Dual-Task Cost Is Due to Neural Interferences Disrupting the Optimal Spatio-Temporal Dynamics of the Competing Tasks. *Frontiers in behavioral neuroscience*, 15, 640178.

Shang Y, et al. (2020) Cross-modal plasticity in adult single-sided deafness revealed by alpha band resting-state functional connectivity. *NeuroImage*, 207, 116376.

Hinkley LBN, et al. (2020) NUTMEG: Open Source Software for M/EEG Source Reconstruction. *Frontiers in neuroscience*, 14, 710.

Bulubas L, et al. (2020) Motor Cortical Network Plasticity in Patients With Recurrent Brain Tumors. *Frontiers in human neuroscience*, 14, 118.

Perrone-Bertolotti M, et al. (2020) A real-time marker of object-based attention in the human brain. A possible component of a "gate-keeping mechanism" performing late attentional selection in the Vento-Lateral Prefrontal Cortex. *NeuroImage*, 210, 116574.

Raj A, et al. (2020) Spectral graph theory of brain oscillations. *Human brain mapping*, 41(11), 2980.