Resource Summary Report

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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

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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

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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 NIF .

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), fcaf082.

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.

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

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

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 Ventro-Lateral Prefrontal Cortex. NeuroImage, 210, 116574.

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