Resource Summary Report

Generated by NIF on Apr 8, 2025

Open MEG Archive

RRID:SCR_014930
Type: Tool

Proper Citation

Open MEG Archive (RRID:SCR_014930)

Resource Information

URL: https://www.mcgill.ca/bic/resources/omega

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Description: Open data repository fully dedicated to MEG data in raw and processed form. The archive also contains anatomical MRI volumes and demographic and questionnaire information. Organized and stored as the Brain Imaging Data Structure (BIDS) with the integration of multimodal electrophysiology data. Directly readable by data-analysis software with Brainstorm. OMEGA will continue to expand, with contributions from the scientific community.

Abbreviations: OMEGA

Synonyms: OMEGA:Open MEG Archive

Resource Type: storage service resource, data repository, service resource, database, data or information resource

Keywords: repository, meg, database, mri, data aggregation, raw meg data, processed meg data, FASEB list

Funding: Quebec Bioimaging Network

Availability: Open source, Registration required, Acknowledgement required

Resource Name: Open MEG Archive

Resource ID: SCR_014930

Alternate URLs: https://box.bic.mni.mcgill.ca/s/4qFZvf6tmgMA371/authenticate

Record Creation Time: 20220129T080323+0000

Record Last Update: 20250407T220138+0000

Ratings and Alerts

No rating or validation information has been found for Open MEG Archive.

No alerts have been found for Open MEG Archive.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 118 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Bano S, et al. (2024) Synthesis and anti-inflammatory activity of benzimidazole derivatives; an in vitro, in vivo and in silico approach. Heliyon, 10(9), e30102.

Kilbile JT, et al. (2024) Lasamide Containing Sulfonylpiperazines as Effective Agents for the Management of Glaucoma Associated Symptoms. ChemMedChem, 19(24), e202400601.

Wiesman AI, et al. (2024) Associations between neuromelanin depletion and cortical rhythmic activity in Parkinson's disease. medRxiv : the preprint server for health sciences.

Mangana M, et al. (2024) Towards New Scaffolds for Antimicrobial Activity-In Silico/In Vitro Workflow Introducing New Lead Compounds. Antibiotics (Basel, Switzerland), 14(1).

Bramble MS, et al. (2024) Spectral evidence for irradiated halite on Mars. Scientific reports, 14(1), 5503.

da Silva Castanheira J, et al. (2024) The neurophysiological brain-fingerprint of Parkinson's disease. EBioMedicine, 105, 105201.

Nedeljkovi? N, et al. (2023) Synthesis and Investigation of Anti-Inflammatory Activity of New Thiourea Derivatives of Naproxen. Pharmaceuticals (Basel, Switzerland), 16(5).

Wiesman AI, et al. (2023) Aberrant neurophysiological signaling associated with speech impairments in Parkinson's disease. NPJ Parkinson's disease, 9(1), 61.

Gomes BF, et al. (2023) Discovery of new Schistosoma mansoni aspartyl protease inhibitors by structure-based virtual screening. Memorias do Instituto Oswaldo Cruz, 118, e230031.

Wheeler NJ, et al. (2023) Multivariate chemogenomic screening prioritizes new macrofilaricidal leads. Communications biology, 6(1), 44.

Mori M, et al. (2023) Natural Flavonoid Derivatives Have Pan-Coronavirus Antiviral Activity. Microorganisms, 11(2).

Bagka M, et al. (2023) Targeted protein degradation reveals BET bromodomains as the cellular target of Hedgehog pathway inhibitor-1. Nature communications, 14(1), 3893.

Coskun GP, et al. (2023) Discovery of Novel Thiophene/Hydrazones: In Vitro and In Silico Studies against Pancreatic Cancer. Pharmaceutics, 15(5).

Wohlfarth JC, et al. (2023) L-form conversion in Gram-positive bacteria enables escape from phage infection. Nature microbiology, 8(3), 387.

Wiesman AI, et al. (2023) Structural and neurophysiological alterations in Parkinson's disease are aligned with cortical neurochemical systems. medRxiv : the preprint server for health sciences.

da Silva Castanheira J, et al. (2023) Neurophysiological brain-fingerprints of motor and cognitive decline in Parkinson's disease. medRxiv : the preprint server for health sciences.

Bampali K, et al. (2022) Tricyclic antipsychotics and antidepressants can inhibit ?5-containing GABAA receptors by two distinct mechanisms. British journal of pharmacology, 179(14), 3675.

Wiesman AI, et al. (2022) Stability of spectral estimates in resting-state magnetoencephalography: Recommendations for minimal data duration with neuroanatomical specificity. NeuroImage, 247, 118823.

Soloperto A, et al. (2022) Rational design and synthesis of a novel BODIPY-based probe for selective imaging of tau tangles in human iPSC-derived cortical neurons. Scientific reports, 12(1), 5257.

Capilla A, et al. (2022) The natural frequencies of the resting human brain: An MEG-based atlas. NeuroImage, 258, 119373.