

Resource Summary Report

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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: data or information resource, data repository, database, service resource, storage service 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/4qFZvf6tmngMA371/authenticate>

Record Creation Time: 20220129T080323+0000

Record Last Update: 20260905T133006+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 125 mentions in open access literature.

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

Pontecorvi V, et al. (2025) Design, synthesis, molecular modelling investigation and biological studies of novel human carbonic anhydrase inhibitors based on coumalic acid. RSC medicinal chemistry, 16(8), 3603.

Rossen L, et al. (2025) Scaffold Hopping with Generative Reinforcement Learning. Journal of chemical information and modeling, 65(13), 6513.

Alfano AI, et al. (2025) Sustainable Joullié-Ugi and Continuous Flow Implementation Led to Novel Captopril-Inspired Broad-Spectrum Metallo- β -Lactamase Inhibitors. Journal of medicinal chemistry, 68(16), 17236.

Wiesman AI, et al. (2025) Associations between neuromelanin depletion and cortical rhythmic activity in Parkinson's disease. Brain : a journal of neurology, 148(3), 875.

Asvos X, et al. (2025) BRF110, an Orally Active Nurr1-RXR β -Selective Rexinoid, Enhances BDNF Expression without Elevating Triglycerides. Journal of medicinal chemistry, 68(4), 4763.

Zhang S, et al. (2025) ANI-1xBB: An ANI-Based Reactive Potential for Small Organic Molecules. Journal of chemical theory and computation, 21(9), 4365.

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.

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).

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

Fernandes PO, et al. (2024) Machine Learning-Based Virtual Screening of Antibacterial Agents against Methicillin-Susceptible and Resistant Staphylococcus aureus. Journal of chemical information and modeling, 64(6), 1932.

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).

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.

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.

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