Resource Summary Report

Generated by <u>dkNET</u> on May 20, 2025

FMAToolbox

RRID:SCR_015533 Type: Tool

Proper Citation

FMAToolbox (RRID:SCR_015533)

Resource Information

URL: http://fmatoolbox.sourceforge.net

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Description: Matlab toolbox used to help analyze electrophysiological and behavioral data recorded from freely moving animals.

Synonyms: FMA Toolbox, Freely Moving Animal Toolbox

Resource Type: software application, software resource, data analysis software, data processing software

Keywords: electrophysiology software, behavioral software, freely moving animal, matlab

Funding:

Availability: Available for download, Acknowledgement requested

Resource Name: FMAToolbox

Resource ID: SCR_015533

Old URLs: http://www.buzsakilab.com/content/PDFs/HasanJNeuroscMeth2006.pdf

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Record Creation Time: 20220129T080326+0000

Record Last Update: 20250519T203857+0000

Ratings and Alerts

No rating or validation information has been found for FMAToolbox.

No alerts have been found for FMAToolbox.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 52 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>dkNET</u>.

Hou R, et al. (2024) Coordinated Interactions between the Hippocampus and Retrosplenial Cortex in Spatial Memory. Research (Washington, D.C.), 7, 0521.

Terral G, et al. (2024) Endogenous cannabinoids in the piriform cortex tune olfactory perception. Nature communications, 15(1), 1230.

Zhang H, et al. (2024) Awake ripples enhance emotional memory encoding in the human brain. Nature communications, 15(1), 215.

Puhger K, et al. (2024) The hippocampus contributes to retroactive stimulus associations during trace fear conditioning. iScience, 27(3), 109035.

Drieu C, et al. (2024) Rapid emergence of latent knowledge in the sensory cortex drives learning. bioRxiv : the preprint server for biology.

Wang Y, et al. (2024) Ventral Hippocampal CA1 Pyramidal Neurons Encode Nociceptive Information. Neuroscience bulletin, 40(2), 201.

Londoño-Ramírez H, et al. (2024) Multiplexed Surface Electrode Arrays Based on Metal Oxide Thin-Film Electronics for High-Resolution Cortical Mapping. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(10), e2308507.

A Dehaqani A, et al. (2024) A mechanosensory feedback that uncouples external and selfgenerated sensory responses in the olfactory cortex. Cell reports, 43(4), 114013.

Ulyanova AV, et al. (2023) Hippocampal interneuronal dysfunction and hyperexcitability in a porcine model of concussion. Communications biology, 6(1), 1136.

Navarro Lobato I, et al. (2023) Increased cortical plasticity leads to memory interference and enhanced hippocampal-cortical interactions. eLife, 12.

Signoret-Genest J, et al. (2023) Integrated cardio-behavioral responses to threat define defensive states. Nature neuroscience, 26(3), 447.

Dahal P, et al. (2023) Hippocampal-cortical coupling differentiates long-term memory processes. Proceedings of the National Academy of Sciences of the United States of America, 120(7), e2207909120.

Signoret-Genest J, et al. (2023) Compromised trigemino-coerulean coupling in migraine sensitization can be prevented by blocking beta-receptors in the locus coeruleus. The journal of headache and pain, 24(1), 165.

Oberto VJ, et al. (2022) Distributed cell assemblies spanning prefrontal cortex and striatum. Current biology : CB, 32(1), 1.

Lv X, et al. (2022) Acute stress promotes brain oscillations and hippocampal-cortical dialog in emotional processing. Biochemical and biophysical research communications, 598, 55.

Demars F, et al. (2022) Post-trauma behavioral phenotype predicts the degree of vulnerability to fear relapse after extinction in male rats. Current biology : CB, 32(14), 3180.

Zutshi I, et al. (2022) Extrinsic control and intrinsic computation in the hippocampal CA1 circuit. Neuron, 110(4), 658.

Aleman-Zapata A, et al. (2022) Sleep deprivation and hippocampal ripple disruption after one-session learning eliminate memory expression the next day. Proceedings of the National Academy of Sciences of the United States of America, 119(44), e2123424119.

Nitzan N, et al. (2022) Brain-wide interactions during hippocampal sharp wave ripples. Proceedings of the National Academy of Sciences of the United States of America, 119(20), e2200931119.

Martinez MC, et al. (2022) Dorsal striatum coding for the timely execution of action sequences. eLife, 11.