

Resource Summary Report

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OpenEx

RRID:SCR_016230

Type: Tool

Proper Citation

OpenEx (RRID:SCR_016230)

Resource Information

URL: <http://www.tdt.com/openex-suite.html>

Proper Citation: OpenEx (RRID:SCR_016230)

Description: Software toolkit that is designed for configuration and control of TDT hardware. It can also display and analyze neurophysiology data., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Synonyms: The OpenEx Software Suite, OpenEx suite

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

Keywords: tdt, analysis, neurophysiology, hardware, companion software, control, configuration, neuroimaging, eeg, stimulation

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: OpenEx

Resource ID: SCR_016230

Record Creation Time: 20220129T080329+0000

Record Last Update: 20260731T042956+0000

Ratings and Alerts

No rating or validation information has been found for OpenEx.

No alerts have been found for OpenEx.

Data and Source Information

Usage and Citation Metrics

We found 103 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Coventry BS, et al. (2025) Focal Infrared Neural Stimulation Propagates Dynamical Transformations in Auditory Cortex. bioRxiv : the preprint server for biology.

Xu F, et al. (2025) Long-Term Moderate-Level Noise Exposure Caused Hyperexcitability in the Central Auditory System. Neural plasticity, 2025, 8842073.

Wang S, et al. (2025) The neural circuit mechanism for auditory responses in the mediodorsal thalamic nucleus of awake mice. Communications biology, 8(1), 884.

Ohno S, et al. (2025) The medial prefrontal cortex encodes procedural rules as sequential neuronal activity dynamics. Molecular brain, 18(1), 56.

Schoenhaut AM, et al. (2025) Contribution of displacement, duration, and velocity on auditory motion direction perception in macaque monkeys. Scientific reports, 15(1), 28110.

Harris AR, et al. (2025) Electroanalysis and electrophysiological recording of bio-doped conducting polymer-modified neural electrodes. Annals of the New York Academy of Sciences, 1549(1), 317.

Chot MG, et al. (2025) Spatial separation between two sounds affects first-spike latencies of responses elicited by the sounds in the rat's auditory midbrain neurons. Scientific reports, 15(1), 24475.

Abdou K, et al. (2024) Prefrontal coding of learned and inferred knowledge during REM and NREM sleep. Nature communications, 15(1), 4566.

Dai Q, et al. (2024) Characterization of the neural circuitry of the auditory thalamic reticular nucleus and its potential role in salicylate-induced tinnitus. Frontiers in neuroscience, 18, 1368816.

Yiling Y, et al. (2024) Dynamic fading memory and expectancy effects in the monkey primary visual cortex. Proceedings of the National Academy of Sciences of the United States of America, 121(8), e2314855121.

Mao R, et al. (2024) Behavioral and cortical arousal from sleep, muscimol-induced coma, and anesthesia by direct optogenetic stimulation of cortical neurons. iScience, 27(6), 109919.

Yiling Y, et al. (2024) Joint encoding of stimulus and decision in monkey primary visual cortex. Cerebral cortex (New York, N.Y. : 1991), 34(1).

Bayazitov IT, et al. (2024) Sound-evoked adenosine release in cooperation with neuromodulatory circuits permits auditory cortical plasticity and perceptual learning. Cell

reports, 43(2), 113758.

Ng K, et al. (2024) Suppressing fear in the presence of a safety cue requires infralimbic cortical signaling to central amygdala. *Neuropsychopharmacology* : official publication of the American College of Neuropsychopharmacology, 49(2), 359.

Ma C, et al. (2024) Microglia regulate sleep through calcium-dependent modulation of norepinephrine transmission. *Nature neuroscience*, 27(2), 249.

Griffiths CS, et al. (2024) Gradient boosted decision trees reveal nuances of auditory discrimination behavior. *PLoS computational biology*, 20(4), e1011985.

Godino A, et al. (2023) Dopaminoceptive D1 and D2 neurons in ventral hippocampus arbitrate approach and avoidance in anxiety. *bioRxiv* : the preprint server for biology.

Yiling Y, et al. (2023) Robust encoding of natural stimuli by neuronal response sequences in monkey visual cortex. *Nature communications*, 14(1), 3021.

Lu K, et al. (2023) Instinct to insight: Neural correlates of ethological strategy learning. *bioRxiv* : the preprint server for biology.

Jendritza P, et al. (2023) Multi-area recordings and optogenetics in the awake, behaving marmoset. *Nature communications*, 14(1), 577.