## **Resource Summary Report**

Generated by <u>RRID</u> on Apr 28, 2025

# **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.

Synonyms: The OpenEx Software Suite, OpenEx suite

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

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

#### Funding:

Availability: Commercially available, Request quote

Resource Name: OpenEx

Resource ID: SCR\_016230

Record Creation Time: 20220129T080329+0000

Record Last Update: 20250428T053948+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

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 96 mentions in open access literature.

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

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).

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.

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.

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.

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.

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.

Jendritza P, et al. (2023) Multi-area recordings and optogenetics in the awake, behaving

marmoset. Nature communications, 14(1), 577.

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

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.

Luo M, et al. (2023) Divergent Neural Activity in the VLPO During Anesthesia and Sleep. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 10(2), e2203395.

Ruszala B, et al. (2023) Somatosensory cortex microstimulation modulates primary motor and ventral premotor cortex neurons with extensive spatial convergence and divergence. bioRxiv : the preprint server for biology.

Lischinsky JE, et al. (2023) Transcriptionally defined amygdala subpopulations play distinct roles in innate social behaviors. Nature neuroscience, 26(12), 2131.

Waidmann EN, et al. (2022) Local features drive identity responses in macaque anterior face patches. Nature communications, 13(1), 5592.

Wally ME, et al. (2022) A short-term memory trace persists for days in the mouse hippocampus. Communications biology, 5(1), 1168.

Nomoto M, et al. (2022) Hippocampus as a sorter and reverberatory integrator of sensory inputs. Nature communications, 13(1), 7413.

Brecht EJ, et al. (2022) A BK channel-targeted peptide induces age-dependent improvement in behavioral and neural sound representation. Neurobiology of aging, 110, 61.