

Resource Summary Report

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Tucker-Davis Technologies

RRID:SCR_006495

Type: Tool

Proper Citation

Tucker-Davis Technologies (RRID:SCR_006495)

Resource Information

URL: <http://www.tdt.com/>

Proper Citation: Tucker-Davis Technologies (RRID:SCR_006495)

Description: Commercial organization that provides products for basic and applied research in the neurophysiology, hearing, and speech sciences as well as for general data acquisition applications. It offers a complete line of modular DSP-based data acquisition and stimulus generation systems, ranging in complexity from a simple audio stimulator to a complete multichannel sensory and behavioral neurophysiology system for awake, behaving subjects.

Abbreviations: TDT

Synonyms: Tucker-Davis Technologies (TDT)

Resource Type: commercial organization

Keywords: neurophysiology, evoked potential, psychoacoustics, data acquisition, virtual acoustics, bioacoustics, hearing, speech, stimulus, audio, sensory, behavior

Resource Name: Tucker-Davis Technologies

Resource ID: SCR_006495

Alternate IDs: rid_000061, grid.421888.f

Alternate URLs: <https://ror.org/0014wkh93>

Record Creation Time: 20220129T080236+0000

Record Last Update: 20260912T195640+0000

Ratings and Alerts

No rating or validation information has been found for Tucker-Davis Technologies.

No alerts have been found for Tucker-Davis Technologies.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 74 mentions in open access literature.

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

Zhang L, et al. (2026) Human promoter-driven AAV tools enable precision gene therapy targeting cochlear hair cells. *Cell reports. Medicine*, 7(4), 102725.

Erra A, et al. (2026) An open-source deep learning-based toolbox for automated auditory brainstem response analyses (ABRA). *Scientific reports*, 16(1).

Nishimura KJ, et al. (2026) Paraventricular thalamus hyperactivity mediates stress-induced sensitization of unlearned fear but not stress-enhanced fear learning (SEFL). *eLife*, 14.

Goode TD, et al. (2026) A dorsal hippocampus-prodynorphinergic dorsolateral septum-to-lateral hypothalamus circuit mediates contextual gating of feeding. *Neuron*, 114(11), 2050.

Yonk AJ, et al. (2025) Role of posterior medial thalamus in the modulation of striatal circuitry and choice behavior. *eLife*, 13.

Trapeau R, et al. (2025) Functional mapping of auditory responses to complex sounds under light anesthesia in rhesus macaques. *Open research Europe*, 5, 273.

Tong C, et al. (2025) Norepinephrine-mediated arousal fluctuations drive inverted U-shaped functional connectivity dynamics. *Nature communications*, 16(1), 11318.

Mergan E, et al. (2025) Fast face-selective responses in prefrontal face patches of the macaque. *Cell reports*, 44(3), 115389.

Pal I, et al. (2025) Female mice lacking GluA3 show early onset of hearing loss, cochlear synaptopathy, and afferent terminal swellings in ambient sound levels. *iScience*, 28(2), 111799.

Salehi S, et al. (2024) Spatiotemporal hierarchies of face representation in the human ventral temporal cortex. *Scientific reports*, 14(1), 26501.

Faget L, et al. (2024) Ventral pallidum GABA and glutamate neurons drive approach and avoidance through distinct modulation of VTA cell types. *Nature communications*, 15(1), 4233.

Squarcio F, et al. (2024) Effects of non-rapid eye movement sleep on the cortical synaptic expression of GluA1-containing AMPA receptors. *The European journal of neuroscience*, 60(2), 3961.

Lazar A, et al. (2024) Paying attention to natural scenes in area V1. *iScience*, 27(2), 108816.

Shmal D, et al. (2024) Restoring vision in adult amblyopia by enhancing plasticity through deletion of the transcriptional repressor REST. *iScience*, 27(4), 109507.

Choi A, et al. (2024) Circuit mechanism underlying fragmented sleep and memory deficits in 16p11.2 deletion mouse model of autism. *iScience*, 27(12), 111285.

Smith J, et al. (2024) Regulation of stress-induced sleep fragmentation by preoptic glutamatergic neurons. *Current biology : CB*, 34(1), 12.

Lemke SM, et al. (2024) Information flow between motor cortex and striatum reverses during skill learning. *Current biology : CB*, 34(9), 1831.

Faget L, et al. (2023) Ventral pallidum GABA and glutamate neurons drive approach and avoidance through distinct modulation of VTA cell types. *bioRxiv : the preprint server for biology*.

Gyawali U, et al. (2023) Dopamine in the dorsal bed nucleus of stria terminalis signals Pavlovian sign-tracking and reward violations. *eLife*, 12.

Palkovic B, et al. (2023) Changes in pontine and preBötzinger/Bötzinger complex neuronal activity during remifentanil-induced respiratory depression in decerebrate dogs. *Frontiers in physiology*, 14, 1156076.