Resource Summary Report

Generated by T1D on Aug 1, 2026

BioSigRP

RRID:SCR_014590
Type: Tool

Proper Citation

BioSigRP (RRID:SCR_014590)

Resource Information

URL: http://www.tdt.com/files/manuals/BioSigRP_User_Guide.pdf

Proper Citation: BioSigRP (RRID:SCR_014590)

Description: Software used to automate the process of presenting stimulus signals and acquiring signal data. The software is designed to work with System 3 hardware and files generated by TDT's signal design software SigGenRP.

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

Keywords: stimulus, stimuli, signal data, system 3, tdt, siggenrp, signal data, process

Availability: Commercial, Available for download from Tucker-Davis Technologies

Resource Name: BioSigRP

Resource ID: SCR_014590

Alternate URLs: http://www.tdt.com/downloads.html

Record Creation Time: 20220129T080321+0000

Record Last Update: 20260801T042734+0000

Ratings and Alerts

No rating or validation information has been found for BioSigRP.

No alerts have been found for BioSigRP.

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 T1D .

Seki Y, et al. (2025) Dominant effect of a single amino acid mutation in the motor domain of myosin VI on hearing in mice. Experimental animals, 74(2), 251.

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.

Fry LE, et al. (2025) Comparison of CRISPR-Cas13b RNA base editing approaches for USH2A-associated inherited retinal degeneration. Communications biology, 8(1), 200.

Yu J, et al. (2025) Heat-shock pathway activation by TRC051384 protects spiral ganglion neurons from noise-induced hearing loss. bioRxiv : the preprint server for biology.

Lee EJ, et al. (2025) Mutations in unfolded protein response regulator ATF6 cause hearing and vision loss syndrome. The Journal of clinical investigation, 135(3).

Zhao Y, et al. (2025) Synaptic properties of layer 6 auditory corticothalamic inputs in normal hearing and noise-induced hearing loss. bioRxiv : the preprint server for biology.

Chen M, et al. (2025) Reversing Cochlear Nucleus Maladaptive Plasticity via Customized Extracochlear Stimulation: A New Approach for Tinnitus Treatment. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(9), e2412349.

Sato A, et al. (2025) A glucocorticoid-regulating molecule, Fkbp5, may interact with mitogen-activated protein kinase signaling in the organ of Corti of mice cochleae. Scientific reports, 15(1), 7506.

Sels L, et al. (2025) Time-Series Transcriptome Analysis of the Older Adult Mouse Cochlea After Noise-Induced Hearing Loss Reveals an Acute Immune Response and Recovery-Associated Pathways. Molecular neurobiology, 63(1), 124.

Milinski L, et al. (2024) Cortical evoked activity is modulated by the sleep state in a ferret model of tinnitus. A cross-case study. PloS one, 19(12), e0304306.

Wei C, et al. (2024) Development of a drug delivering round window niche implant for cochlear pharmacotherapy. Drug delivery, 31(1), 2392755.

Sunwoo W, et al. (2023) Neonatal Deafening Selectively Degrades the Sensitivity to Interaural Time Differences of Electrical Stimuli in Low-Frequency Pathways in Rats. eNeuro, 10(1).

V??lez-Ortega AC, et al. (2023) TRPA1 activation in non-sensory supporting cells contributes to regulation of cochlear sensitivity after acoustic trauma. Nature

communications, 14(1), 3871.

Behrends W, et al. (2023) Dual Drug Delivery in Cochlear Implants: In Vivo Study of Dexamethasone Combined with Diclofenac or Immunophilin Inhibitor MM284 in Guinea Pigs. Pharmaceutics, 15(3).

Suzuki J, et al. (2023) Fatty acid binding protein type 7 deficiency preserves auditory function in noise-exposed mice. Scientific reports, 13(1), 21494.

Ma Y, et al. (2023) Imaging Voltage Globally and in Isofrequency Lamina in Slices of Mouse Ventral Cochlear Nucleus. eNeuro, 10(3).

Zhou YP, et al. (2022) A congenital CMV infection model for follow-up studies of neurodevelopmental disorders, neuroimaging abnormalities, and treatment. JCI insight, 7(1).

Yu Y, et al. (2022) Hearing loss caused by CMV infection is correlated with reduced endocochlear potentials caused by strial damage in murine models. Hearing research, 417, 108454.

Chen D, et al. (2022) Sox2 overexpression alleviates noise-induced hearing loss by inhibiting inflammation-related hair cell apoptosis. Journal of neuroinflammation, 19(1), 59.

Ogier JM, et al. (2022) ASK1 is a novel molecular target for preventing aminoglycoside-induced hair cell death. Journal of molecular medicine (Berlin, Germany), 100(5), 797.