

Resource Summary Report

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NeuroPlex

RRID:SCR_016193

Type: Tool

Proper Citation

NeuroPlex (RRID:SCR_016193)

Resource Information

URL: http://www.redshirtimaging.com/redshirt_neuro/software_aquisition.htm

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Description: Software for acquisition and analysis for imaging applications. The acquisition section has a variety of triggering and averaging modes, while the analysis section has extensive provisions for displaying traces (intensity vs time) and movies of propagating activity.

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

Keywords: imaging, electrical, recording, acquisition, analysis, neuroimaging

Availability: Account required, Available for download

Resource Name: NeuroPlex

Resource ID: SCR_016193

Record Creation Time: 20220129T080329+0000

Record Last Update: 20260821T194039+0000

Ratings and Alerts

No rating or validation information has been found for NeuroPlex.

No alerts have been found for NeuroPlex.

Data and Source Information

Usage and Citation Metrics

We found 198 mentions in open access literature.

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

Milicevic KD, et al. (2026) Prodromal changes in cortical neuron physiology before amyloid pathology in a mild model of Alzheimer's disease. Scientific reports, 16(1).

Phillips ML, et al. (2026) Functional imaging of nine distinct neuronal populations under a miniscope in freely behaving animals. eLife, 15.

Petrova V, et al. (2026) A human iPSC-derived sensory neuron platform for high-throughput discovery of neuroprotectants against chemotherapy-induced peripheral neuropathy. Cell reports. Medicine, 7(5), 102787.

Mistry VK, et al. (2026) Strategies used by two memories to share space in a small molluscan neural network. iScience, 29(4), 115355.

Mistry VK, et al. (2025) Age-related degradation of behavioral and network features of Aplysia escape locomotion. bioRxiv : the preprint server for biology.

Tian C, et al. (2025) Understanding monocyte-driven neuroinflammation in Alzheimer's disease using human cortical organoid microphysiological systems. Science advances, 11(34), eadu2708.

Yamazoe M, et al. (2025) B cells promote atrial fibrillation via autoantibodies. Nature cardiovascular research, 4(10), 1381.

Molokanova E, et al. (2025) Non-genetic neuromodulation with graphene optoelectronic actuators for disease models, stem cell maturation, and biohybrid robotics. Nature communications, 16(1), 7499.

Pereira MF, et al. (2025) YY1 mutations disrupt corticogenesis through a cell type specific rewiring of cell-autonomous and non-cell-autonomous transcriptional programs. Molecular psychiatry, 30(8), 3413.

Naqvi S, et al. (2025) Transfer learning reveals sequence determinants of the quantitative response to transcription factor dosage. Cell genomics, 5(3), 100780.

Shu WC, et al. (2025) Distinct Patterns of Evoked Firing in Engram and Non-Engram Neurons in the Dentate Gyrus of Hippocampal Slices. Hippocampus, 35(6), e70049.

Zhou J, et al. (2025) BACE1 Expression Is Required for Proper Synaptic Vesicle Dynamics in the Hippocampus. Journal of neurochemistry, 169(11), e70299.

de Souza JS, et al. (2025) Trisomy 21 Disrupts Thyroid Hormones Signaling During Human iPSC-Derived Neural Differentiation In Vitro. Cells, 14(18).

Russo MN, et al. (2025) TurboID-Mediated Profiling of Glioblastoma-Derived Extracellular Vesicle Cargo Proteins. *Journal of extracellular vesicles*, 14(9), e70158.

Dardalas I, et al. (2025) The Concomitant Effect of the Antiepileptic Drug Lacosamide and rTMS on an SH-SY5Y Model of Neuronal Excitability. *Neurology international*, 17(10).

Weng JY, et al. (2025) Contribution of individual excitatory synapses on dendritic spines to electrical signaling. *Frontiers in neuroscience*, 19, 1620654.

Chu CH, et al. (2025) Nuclear paxillin functions as a molecular switch for alternative splicing in neurons during a critical period of brain development. *The EMBO journal*.

Lin AE, et al. (2024) Clonal Hematopoiesis of Indeterminate Potential With Loss of Tet2 Enhances Risk for Atrial Fibrillation Through Nlrp3 Inflammasome Activation. *Circulation*, 149(18), 1419.

Vignali S, et al. (2024) Biopsy samples from patients with irritable bowel syndrome, but not from those with mastocytosis or unspecific gastrointestinal complaints reveal unique nerve activation in all gut regions independent of mast cell density, histamine content or specific gastrointestinal symptoms. *Frontiers in neuroscience*, 18, 1291554.

Zarco N, et al. (2024) Resistance to spindle inhibitors in glioblastoma depends on STAT3 and therapy induced senescence. *iScience*, 27(12), 111311.