

# 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](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 processing software, data analysis software, software resource, image analysis software, image acquisition software, software application, data acquisition software

**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:** 20260731T043007+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 194 mentions in open access literature.

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

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

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

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.

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

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

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

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.

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.

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*.

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

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).

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.

Mohammed J, et al. (2024) A common cis-regulatory variant impacts normal-range and disease-associated human facial shape through regulation of PKDCC during chondrogenesis. *eLife*, 13.

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.

Patel AA, et al. (2024) Ex vivo propagation of synaptically-evoked cortical depolarizations in a mouse model of Alzheimer's disease at 20 Hz, 40 Hz, or 83 Hz. *Scientific reports*, 14(1), 23365.

Naqvi S, et al. (2024) Transfer learning reveals sequence determinants of the quantitative response to transcription factor dosage. *bioRxiv : the preprint server for biology*.

Gumaste A, et al. (2024) Behavioral discrimination and olfactory bulb encoding of odor plume intermittency. *eLife*, 13.