

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

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

Funding:

Availability: Account required, Available for download

Resource Name: NeuroPlex

Resource ID: SCR_016193

Record Creation Time: 20220129T080329+0000

Record Last Update: 20250501T081315+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

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 181 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

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.

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.

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

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

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.

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

Rayaprolu V, et al. (2024) Hydrophobic residues in S1 modulate enzymatic function and voltage sensing in voltage-sensing phosphatase. *The Journal of general physiology*, 156(7).

Pereira MF, et al. (2024) YY1 mutations disrupt corticogenesis through a cell-type specific rewiring of cell-autonomous and non-cell-autonomous transcriptional programs. *bioRxiv : the preprint server for biology*.

Wang S, et al. (2024) Alternative splicing of latrophilin-3 controls synapse formation. *Nature*, 626(7997), 128.

Mesci P, et al. (2024) Human microglial cells as a therapeutic target in a neurodevelopmental disease model. *Stem cell reports*, 19(8), 1074.

Milicevic KD, et al. (2024) Plateau depolarizations in spontaneously active neurons detected by calcium or voltage imaging. *Scientific reports*, 14(1), 22787.

Garcia CA, et al. (2023) Behavior of glioblastoma brain tumor stem cells following a suborbital rocket flight: reaching the "edge" of outer space. *NPJ microgravity*, 9(1), 92.

Kotler O, et al. (2023) SUMOylation of NaV1.2 channels regulates the velocity of backpropagating action potentials in cortical pyramidal neurons. *eLife*, 12.

Kim S, et al. (2023) DNA-guided transcription factor cooperativity shapes face and limb mesenchyme. *bioRxiv : the preprint server for biology*.

Stedile M, et al. (2023) Tristetraprolin promotes survival of mammary progenitor cells by restraining TNF α levels. *Frontiers in cell and developmental biology*, 11, 1265475.

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

Adams JW, et al. (2023) Impact of alcohol exposure on neural development and network formation in human cortical organoids. *Molecular psychiatry*, 28(4), 1571.

Naqvi S, et al. (2023) Precise modulation of transcription factor levels identifies features underlying dosage sensitivity. *Nature genetics*, 55(5), 841.

Goldberg G, et al. (2023) TREX1 is required for microglial cholesterol homeostasis and oligodendrocyte terminal differentiation in human neural assembloids. *Molecular psychiatry*.