

Resource Summary Report

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OmniPlex Software

RRID:SCR_014803

Type: Tool

Proper Citation

OmniPlex Software (RRID:SCR_014803)

Resource Information

URL: <http://www.plexon.com/products/omniplex-software>

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Description: Neural data acquisition software for signal visualization in neuron recordings along with spike wave-form classification methods. It is made up of the PlexControl software program and the OmniPlex Server.

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

Keywords: software, neural, neuron data, analysis, pca, data acquisition, signal visualization

Availability: Commercially available

Resource Name: OmniPlex Software

Resource ID: SCR_014803

Record Creation Time: 20220129T080322+0000

Record Last Update: 20260805T044332+0000

Ratings and Alerts

No rating or validation information has been found for OmniPlex Software.

No alerts have been found for OmniPlex Software.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 25 mentions in open access literature.

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

Zheng D, et al. (2025) Neural mechanism of the sexually dimorphic winner effect in mice. *Neuron*, 113(24), 4217.

Zaforas M, et al. (2024) Protocol for stimulating specific rodent limb receptive fields while recording in vivo somatosensory-evoked activity. *STAR protocols*, 5(2), 102972.

Zhu Z, et al. (2024) A hypothalamic-amygdala circuit underlying sexually dimorphic aggression. *Neuron*, 112(18), 3176.

Ma F, et al. (2024) Event-specific and persistent representations for contextual states in orbitofrontal neurons. *Current biology : CB*, 34(5), 1023.

Sharma M, et al. (2023) Novel Evoked Synaptic Activity Potentials (ESAPs) Elicited by Spinal Cord Stimulation. *eNeuro*, 10(5).

Martin AB, et al. (2023) A context-dependent switch from sensing to feeling in the primate amygdala. *Cell reports*, 42(2), 112056.

Miguel-Quesada C, et al. (2023) Astrocytes adjust the dynamic range of cortical network activity to control modality-specific sensory information processing. *Cell reports*, 42(8), 112950.

Yu TH, et al. (2023) Multisession Anodal Transcranial Direct Current Stimulation Enhances Adult Hippocampal Neurogenesis and Context Discrimination in Mice. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(4), 635.

Fredericksen KE, et al. (2022) Neural representation of intraoral olfactory and gustatory signals by the mediodorsal thalamus in alert rats. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(43), 8136.

Hart EE, et al. (2022) Anterior cingulate neurons signal neutral cue pairings during sensory preconditioning. *Current biology : CB*, 32(3), 725.

Hart EE, et al. (2022) Calcium activity is a degraded estimate of spikes. *Current biology : CB*, 32(24), 5364.

Ferroni CG, et al. (2021) Local and system mechanisms for action execution and observation in parietal and premotor cortices. *Current biology : CB*, 31(13), 2819.

Zaforas M, et al. (2021) Cortical layer-specific modulation of neuronal activity after sensory deprivation due to spinal cord injury. *The Journal of physiology*, 599(20), 4643.

Zhu Z, et al. (2021) A substantia innominata-midbrain circuit controls a general aggressive response. *Neuron*, 109(9), 1540.

Copits BA, et al. (2021) A photoswitchable GPCR-based opsin for presynaptic inhibition. *Neuron*, 109(11), 1791.

Morrow JK, et al. (2020) Mesoscopic-scale functional networks in the primate amygdala. *eLife*, 9.

Liu Y, et al. (2020) Hierarchical Representation for Chromatic Processing across Macaque V1, V2, and V4. *Neuron*, 108(3), 538.

Luo J, et al. (2019) Going with the Flow: The Neural Mechanisms Underlying Illusions of Complex-Flow Motion. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 39(14), 2664.

Jayachandran M, et al. (2019) Prefrontal Pathways Provide Top-Down Control of Memory for Sequences of Events. *Cell reports*, 28(3), 640.

Martinez-Rubio C, et al. (2018) Multimodal Encoding of Novelty, Reward, and Learning in the Primate Nucleus Basalis of Meynert. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(8), 1942.