

Resource Summary Report

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IGOR Pro

RRID:SCR_000325

Type: Tool

Proper Citation

IGOR Pro (RRID:SCR_000325)

Resource Information

URL: <http://www.wavemetrics.com/products/igorpro/igorpro.htm>

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Description: Software used for visualizing and graphing data, image processing, and programming. It is designed for use by scientists and engineers and supports large data sets, evenly spaced data, and various data import formats. The software includes a suite of image processing operations for image filtering, manipulation, and quantification and is completely programmable.

Synonyms: Igor Pro - Technical graphing and data analysis, Igor Software

Resource Type: software application, data analysis software, software resource, data processing software, data visualization software, authoring tool

Keywords: commercial tool, electrophysiology, authoring tool, data visualization software, image processing, publication quality, interactive

Availability: Restricted

Resource Name: IGOR Pro

Resource ID: SCR_000325

Alternate IDs: nlx_156887, SCR_014216

Record Creation Time: 20220129T080200+0000

Record Last Update: 20260729T043959+0000

Ratings and Alerts

No rating or validation information has been found for IGOR Pro.

No alerts have been found for IGOR Pro.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 661 mentions in open access literature.

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

Wang C, et al. (2026) Synaptic input variation enhances rate coding at the expense of temporal precision in cochlear nucleus neurons. PLoS biology, 24(1), e3003587.

Alexander RPD, et al. (2025) Delta opioid receptors engage multiple signaling cascades to differentially modulate prefrontal GABA release with input and target specificity. Cell reports, 44(2), 115293.

Ma Z, et al. (2025) A mechanism of CALHM1 ion channel gating. American journal of physiology. Cell physiology, 328(4), C1109.

Garcia JD, et al. (2025) Differential roles of Nav1.2 and Nav1.6 in neocortical pyramidal cell excitability. eLife, 14.

Li J, et al. (2025) Dynamic redistribution of AMPA receptors toward memory-related neuronal ensembles in mice barrel cortex during sensory learning. Neuron.

Kiraly JK, et al. (2025) Slit2/Robo1 signaling constrains image stabilization responses to preserve ethologically favorable directional asymmetry. Current biology : CB.

Tian J, et al. (2025) Gpr176 modulates the firing pattern of parvalbumin-positive interneurons in the orbitofrontal cortex of mouse. Molecular brain, 18(1), 81.

Oelschlegel AM, et al. (2025) Elevated calneuron-1, an accessory subunit of muscarinic receptors, induces frontotemporal dysconnectivity and schizophrenia-like deficits. Neuron.

Palchadhuri S, et al. (2025) A posterior insula to lateral amygdala pathway transmits US-offset information with a limited role in fear learning. Cell reports, 44(2), 115320.

Grimes WN, et al. (2025) Layer-specific anatomical and physiological features of the retina's neurovascular unit. Current biology : CB, 35(1), 109.

Druart M, et al. (2025) Cell-type-specific auditory responses in the striatum are shaped by feedforward inhibition. Cell reports, 44(1), 115090.

Kang M, et al. (2025) Cd99l2 regulates excitatory synapse development and restrains immediate-early gene activation. Cell reports, 44(1), 115155.

Hundsdoerfer L, et al. (2025) ERK activation waves coordinate mechanical cell competition leading to collective elimination via extrusion of bacterially infected cells. Cell reports,

44(1), 115193.

Degen R, et al. (2025) Ca²⁺-Activated Ion Channels Exert Opposite Effects in Different Signaling Compartments of Vomeronasal Sensory Neurons. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(16).

Mongr?dien R, et al. (2025) Astrocytes Control Cocaine-Induced Synaptic Plasticity and Reward Through the Matricellular Protein Hevin. *Biological psychiatry*.

Miedlar E, et al. (2025) Force transmission through the inner kinetochore is enhanced by centromeric DNA sequences. *eLife*, 14.

Bye LJ, et al. (2025) Nicotinic Acetylcholine Receptor-Mediated Metabotropic Signalling in Human Microglia. *Journal of neurochemistry*, 169(11), e70295.

Pulido C, et al. (2025) Neuromodulatory control of energy reserves in dopaminergic neurons. *Proceedings of the National Academy of Sciences of the United States of America*, 122(50), e2523019122.

Cefis M, et al. (2025) Impact of physical activity on physical function, mitochondrial energetics, ROS production, and Ca²⁺ handling across the adult lifespan in men. *Cell reports. Medicine*, 6(2), 101968.

Ageta-Ishihara N, et al. (2025) Septin 3 regulates memory and L-LTP-dependent extension of endoplasmic reticulum into spines. *Cell reports*, 44(3), 115352.