

Resource Summary Report

Generated by [dkNET](#) on Aug 17, 2026

Nclamp - data acquisition software for electrophysiology

RRID:SCR_003750

Type: Tool

Proper Citation

Nclamp - data acquisition software for electrophysiology (RRID:SCR_003750)

Resource Information

URL: http://www.physiol.ucl.ac.uk/research/silver_a/nclamp/

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Description: Data acquisition software that runs in conjunction with neuromatic. configured to work with Igor Pro on PC or Mac, instrutech or national instrument acquisition devices. Funded by The Medical Research Council (UK) Compatibility with WaveMetrics Igor Pro 5 and 6. Compatibility with Mac or PC. NIDAQ interfacing multifunction DAQ boards from National Instruments. Requires Igor NIDAQ Tools MX. ITC interfacing - data acquisition systems from InstruTech / Heka. Requires Igor ITC XOPs. Episodic acquisition (stim and sample). Continuous acquisition (currently for ITC users only). Online analysis, with ability to create your own analysis functions. Notes and Log Files which can be displayed within a table or notebook. Automatic saving of data and log folders to your hard drive. Flexible stimulus pulse generator with ability to use your own pulse waveforms. Instant accessibility to all of NeuroMatics and Igor Pros pre-existing data analysis functions.

Synonyms: Nclamp

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

Resource Name: Nclamp - data acquisition software for electrophysiology

Resource ID: SCR_003750

Alternate IDs: nif-0000-00072

Record Creation Time: 20220129T080220+0000

Record Last Update: 20260817T040351+0000

Ratings and Alerts

No rating or validation information has been found for Nclamp - data acquisition software for electrophysiology.

No alerts have been found for Nclamp - data acquisition software for electrophysiology.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Morabito A, et al. (2024) A dendritic substrate for temporal diversity of cortical inhibition. bioRxiv : the preprint server for biology.

Morabito A, et al. (2022) Activity-dependent modulation of NMDA receptors by endogenous zinc shapes dendritic function in cortical neurons. Cell reports, 38(8), 110415.

Biane C, et al. (2021) Developmental emergence of two-stage nonlinear synaptic integration in cerebellar interneurons. eLife, 10.

Xu HP, et al. (2014) A general principle governs vision-dependent dendritic patterning of retinal ganglion cells. The Journal of comparative neurology, 522(15), 3403.

Anderson WW, et al. (2007) Capabilities of the WinLTP data acquisition program extending beyond basic LTP experimental functions. Journal of neuroscience methods, 162(1-2), 346.