Resource Summary Report

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pClamp

RRID:SCR_011323
Type: Tool

Proper Citation

pClamp (RRID:SCR_011323)

Resource Information

URL: http://www.moleculardevices.com/products/software/pclamp.html

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Description: Software suite for electrophysiology data acquisition and analysis by Molecular Devices. Used for the control and recording of voltage clamp, current clamp, and patch clamp experiments. The software suite consists of Clampex 11 Software for data acquisition, AxoScope 11 Software for background recording, Clampfit 11 Software for data analysis, and optional Clampfit Advanced Analysis Module for sophisticated and streamlined analysis.

Synonyms: patch clamp, Axon™pCLAMP™ 10 Electrophysiology Data Acquisition and Analysis Software, patch CLAMP, pCLAMP 11, pCLAMP 10, patch Clamp

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

Keywords: electrophysiology, data, acquisition, analysis, Molecular Device, voltage, clamp,

Availability: Commercially available

Resource Name: pClamp

Resource ID: SCR_011323

Alternate IDs: rid_000085

Alternate URLs: https://www.moleculardevices.com/products/axon-patch-clamp-system/acquisition-and-analysis-software/pclamp-software-suite#gref

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Ratings and Alerts

No rating or validation information has been found for pClamp.

No alerts have been found for pClamp.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 9678 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Zhou Y, et al. (2026) ?2 and ?3a regulatory subunits can coassemble in the same BK channels. The Journal of general physiology, 158(1).

Keys M, et al. (2026) Dynamic changes in phycosphere carbonate chemistry reveal rapid modulation of carbon uptake in single diatom cells. Science advances, 12(1), eady8646.

Silva JDN, et al. (2026) KNDy neurons as an indirect target of insulin-like growth factor-1. Journal of neuroendocrinology, 38(1), e70130.

Stamouli CA, et al. (2026) A distinct lineage pathway drives parvalbumin chandelier cell fate in human interneuron reprogramming. Science advances, 12(1), eadv0588.

Pena-Ortiz MA, et al. (2026) Astrocytic Chromatin Remodeler ATRX Gates Hippocampal Memory Consolidation Through Metabolic and Synaptic Regulation. Glia, 74(1), e70098.

Picozzi G, et al. (2026) The sodium/iodide symporter is a nitrate transporter in the human salivary gland. Redox biology, 89, 103955.

Mimata Y, et al. (2026) A drought stress-responsive metabolite malate modulates stomatal responses through G-protein-dependent pathway in grapevine and Arabidopsis. Molecular horticulture, 6(1), 2.

Lee D, et al. (2026) Microglial VRK2 Regulates Astrocytic GABA Synthesis and Tonic Inhibition in the Thalamus. Glia, 74(1), e70101.

Miya K, et al. (2026) Altered Excitability and Glutamatergic Synaptic Transmission in the Medium Spiny Neurons of the Nucleus Accumbens in Mice Deficient in the Heparan Sulfate Endosulfatase Sulf1. eNeuro, 13(1).

Hill RZ, et al. (2026) Renal PIEZO2 is an essential regulator of renin. Cell, 189(1), 161.

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.

Graf M, et al. (2026) Mapping the functional connectome of the claustrum: Noise filtering via local inhibitory circuits. Cell reports, 45(1), 116821.

Leviskas B, et al. (2026) The Subcellular Localization of the Cystic Fibrosis Transmembrane Conductance Regulator in the Chicken Retina Suggests Multiple Roles in Retinal Function. Journal of neuroscience research, 104(1), e70109.

Keum D, et al. (2026) Changes in Action Potential Properties in the Ferret Prefrontal Cortex During Adolescence. The Journal of comparative neurology, 534(1), e70121.

Brill J, et al. (2025) Dissociation of SYNGAP1 enzymatic and structural roles: Intrinsic excitability and seizure susceptibility. Proceedings of the National Academy of Sciences of the United States of America, 122(18), e2427288122.

Petzoldt AG, et al. (2025) Myosin 15 participates in assembly and remodeling of the presynapse. The Journal of cell biology, 224(9).

Will N, et al. (2025) Lipid interactions and gating hysteresis suggest a physiological role for mechanosensitive channel YnaI. Nature communications, 16(1), 7472.

Nickerson AJ, et al. (2025) Canagliflozin Inhibits Electrogenic Na+ Transport in Mouse Cortical Collecting Duct Cells. Function (Oxford, England), 6(5).

Allerkamp HH, et al. (2025) In vitro examination of Piezo1-TRPV4 dynamics: implications for placental endothelial function in normal and preeclamptic pregnancies. American journal of physiology. Cell physiology, 328(1), C227.

Saggiomo SL, et al. (2025) Interrogating stonefish venom: small molecules present in envenomation caused by Synanceia spp. FEBS open bio, 15(3), 399.