

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>

Record Creation Time: 20220129T080303+0000

Record Last Update: 20260728T043352+0000

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.

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

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

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

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).

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.

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

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.

Lee IC, et al. (2025) Biophysical and structural mechanisms of epilepsy-associated mutations in the S4-S5 Linker of KCNQ2 channels. *Channels (Austin, Tex.)*, 19(1), 2464735.

Park NK, et al. (2025) Human induced pluripotent stem cell-cardiomyocytes for cardiotoxicity assessment: a comparative study of arrhythmia-inducing drugs with multi-electrode array analysis. *The Korean journal of physiology & pharmacology : official journal of the Korean Physiological Society and the Korean Society of Pharmacology*, 29(2), 257.

Wang K, et al. (2025) GPR37 Activation Alleviates Bone Cancer Pain via the Inhibition of Osteoclastogenesis and Neuronal Hyperexcitability. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(14), e2417367.

Kaneda E, et al. (2025) Effects of moderate static magnetic fields on voltage-gated potassium ion channels in sympathetic neuron-like PC12 cells. *Physiological reports*, 13(6), e70236.

Downs AM, et al. (2025) Loss of excitatory inputs and decreased tonic and evoked activity of locus coeruleus neurons in aged P301S mice. *Neurobiology of disease*, 208, 106883.

Ikefuama EC, et al. (2025) Presymptomatic targeted circuit manipulation for ameliorating Huntington's disease pathogenesis. *iScience*, 28(3), 112022.