

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

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 acquisition software, data analysis software, data processing software, software application, software resource

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: 20260912T195732+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 9999 mentions in open access literature.

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

Malka-Gibor E, et al. (2026) Derivation and analysis of human somatic sensory neuron subtypes facilitated through fluorescent hPSC reporters. Stem cell reports, 21(1), 102753.

Scrutton AM, et al. (2026) Structure and organization of AMPA receptor-TARP complexes in the mammalian cerebellum. Science (New York, N.Y.), 391(6792), 1361.

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

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

Yuan Y, et al. (2026) Sh3rf3 Deficiency drives autism-like behaviors via presynaptic dysfunction in mice. Molecular psychiatry, 31(4), 2202.

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.

Jin M, et al. (2026) Chimeric brain models to study human glial-neuronal and macroglial-microglial interactions. Cell reports, 45(1), 116794.

Nam YW, et al. (2026) Structural basis for the subtype-selectivity of KCa2.2 channel activators. Nature communications, 17(1), 531.

Feng Z, et al. (2026) Tmem110 regulates the conformation of TRPML1 to maintain endolysosomal homeostasis and prevent mitochondrial DNA leakage and pathological self-DNA processing. Nature communications, 17(1), 1678.

Li Y, et al. (2026) A spatial and projection-based transcriptomic atlas of paraventricular hypothalamic cell types. Cell reports, 45(2), 116904.

Aaltonen A, et al. (2026) Postnatal reduction of eIF4E overexpression in D1-SPNs ameliorates KCNQ channel dysfunction, hyperexcitability and ASD-like behaviours. Cellular and molecular life sciences : CMLS, 83(1).

Miranda DR, et al. (2026) Integrated effects of altered action potentials and calcium release on skeletal muscle force generation in transgenic Huntington's disease mice. *Pflugers Archiv : European journal of physiology*, 478(2), 24.

Meftah S, et al. (2026) GABAB Receptor signaling in CA1 Pyramidal Cells is not Regulated by Aging in the APP/PS1 Mouse Model of Amyloid Pathology. *eNeuro*, 13(2).

Underhill A, et al. (2026) Myosin 7a is required for maintaining the transducing stereocilia and for force transmission to the MET channel during cochlear hair cell development. *The Journal of physiology*, 604(5), 2152.

Barcelon E, et al. (2026) Midbrain PAG Astrocytes Modulate Mouse Defensive and Panic-Like Behaviors. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(19), e06062.

Zhou J, et al. (2026) KCC2 Dysfunction Mediated by Microglial BDNF/TrkB Signaling Exacerbates Early Post-Stroke Seizure Susceptibility. *CNS neuroscience & therapeutics*, 32(2), e70795.

Choi SJ, et al. (2026) α -Synuclein expression is required for somatodendritic dopamine release and immediate early gene induction. *Science advances*, 12(5), eady6978.

Yin MZ, et al. (2026) Lipid Peroxidation Products 4-OH and 4-HNE Modulate Voltage-Gated Sodium Channels in Neuronal Cell Lines and DRG Action Potentials. *Antioxidants (Basel, Switzerland)*, 15(2).

Bian J, et al. (2026) PVNCRF Neurons Regulate Migraine-Like Allodynia by Activating CRFR2 on Spinal Trigeminal Caudalis Glutamatergic Neurons. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(29), e20530.

Miteva MT, et al. (2026) Herpes simplex virus-1 induces complement-mediated microglial phagocytosis of synapses in murine primary brain cultures and tissues. *Cell communication and signaling : CCS*, 24(1).