

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 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: 20260905T132700+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 [PRECISE-TBI](#) .

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

Sun L, et al. (2026) A Tac1-Expressing Brainstem Pathway Underlies the Pathogenesis of Trigeminal Neuralgia. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(29), e16310.

Liss A, et al. (2026) Alcohol drinking sex-dependently regulates interleukin-1 pro-inflammatory signaling in the prefrontal cortex of mice and rhesus macaques. Brain, behavior, and immunity, 136, 106545.

Li G, et al. (2026) TNF- α impairs the stria vascularis by inducing pericyte apoptosis via the NF- κ B pathway in gentamicin-induced hearing loss. Journal of neuroinflammation, 23(1).

Shu HJ, et al. (2026) A Non-Classical Neuroactive Steroid Exhibiting Potent, Efficacious GABAA Receptor Agonism and NMDA Receptor Inhibition. bioRxiv : the preprint server for biology.

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.

Conti-Nibali S, et al. (2026) Anti-cancer drugs targeting the NADH-binding site of VDAC rewire channel electrophysiology and partially suppress cation selectivity. The FEBS journal, 293(12), 3663.

Liu Y, et al. (2026) Decreased Oxytocin Mediates PVN-CA2 and PVN-PrL in Sleep Deprivation-Induced Social Memory Deficits. Research (Washington, D.C.), 9, 1076.

Kim JA, et al. (2026) HAP1 interaction with KCNQ4 attenuates channel surface expression and function. Molecules and cells, 49(3), 100322.

- 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.
- 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.
- 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).
- Liu S, et al. (2026) Optical control of the cardiac rhythm with photoswitchable NaV1.5 channel blockers. *Nature communications*, 17(1).
- Su J, et al. (2026) Persistent interferon signaling causes sensory neuron plasticity and pain before and during arthritis. *Nature neuroscience*, 29(5), 1095.
- Wingfield JL, et al. (2026) Intellectual disability-causing mutations in KIF11 impair microtubule dynamics and dendritic arborization. *Nature communications*, 17(1).
- Lavoie O, et al. (2026) Noradrenergic inhibition of definitive POMC neurons through direct and indirect mechanisms. *Journal of neuroendocrinology*, 38(4), e70169.
- Hoffman PL, et al. (2026) Engaging Gut-to-Brain Signalling to Treat Alcohol Use Disorder. *Addiction biology*, 31(3), e70144.
- Liu RY, et al. (2026) The Right Time for a Synapse to Change: Windows and Mechanisms of Multiday Training Trials. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 46(17).
- 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).