

Resource Summary Report

Generated by PRECISE-TBI on Sep 7, 2026

WinWCP

RRID:SCR_014713

Type: Tool

Proper Citation

WinWCP (RRID:SCR_014713)

Resource Information

URL: http://spider.science.strath.ac.uk/sipbs/software_ses.htm

Proper Citation: WinWCP (RRID:SCR_014713)

Description: Windows software program for recording and analyzing signals from whole cell voltage and current clamp experiments. Its features include automatic waveform measurement, quantal content analysis, command voltage pulse generation, and spontaneous event detection.

Synonyms: Windows Whole Cell Program

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

Keywords: data analysis software, whole cell, voltage, current, clamp experiments, neuron, neuroinformatics, single cell recording

Availability: Open source for academic and non-profit use, License available for purchase for commercial organizations

Resource Name: WinWCP

Resource ID: SCR_014713

Record Creation Time: 20220129T080321+0000

Record Last Update: 20260905T132750+0000

Ratings and Alerts

No rating or validation information has been found for WinWCP.

No alerts have been found for WinWCP.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 435 mentions in open access literature.

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

Pavlov VM, et al. (2026) Peptide Modulator of TRPV1 Channel Increases Long-Term Potentiation in the Hippocampus and Reduces Anxiety and Fear in Mice Under Acute Stress. *Marine drugs*, 24(2).

Lee YL, et al. (2026) Distinct modes of dopamine modulation on striatopallidal synaptic transmission. *Nature communications*, 17(1).

Choi YJ, et al. (2026) Motor learning and dopamine-dependent striatal synaptic plasticity are controlled by astrocytic MEGF10. *Nature communications*, 17(1).

Chen Y, et al. (2026) TRPV1 and TRPA1 channels exhibit bifurcated sensing of singlet oxygen and hydrogen peroxide. *Redox biology*, 92, 104112.

Kim TW, et al. (2026) Modulation of WNT and FGF18 enhances yield and subtype identity of hPSC-derived midbrain dopamine neurons. *The Journal of clinical investigation*, 136(10).

Araujo AS, et al. (2026) Sevoflurane Inhibits Layer 5 Pyramidal Neurons via Kv1.2-Dependent Modulation of Subthreshold Currents. *Journal of neurochemistry*, 170(1), e70360.

Moreno C, et al. (2026) Subthreshold Kir and Ih currents modulate excitability of layer 1 VIP interneurons in the medial prefrontal cortex. *Biological research*, 59(1).

Kolb I, et al. (2026) iGABASnFR2 is an improved genetically encoded protein sensor of GABA. *eLife*, 14.

De-la-Torre P, et al. (2026) The TASK-1 and TASK-3 activator JG-C3-98 attenuates cold and mechanical responses in primary somatosensory neurons. *Frontiers in pharmacology*, 17, 1844406.

Pan H, et al. (2026) KCNJ4 variants disrupt inward-rectifier potassium channel function and cause refractory epilepsy. *Epilepsia*, 67(6), 3199.

Hannan SB, et al. (2026) Synaptic and intrinsic membrane defects disrupt early neural network dynamics in Down syndrome. *Nature communications*, 17(1), 1287.

Devenish SO, et al. (2026) Next-generation chemogenetic inhibition using a brain-permeant non-prescription agent. *Signal transduction and targeted therapy*, 11(1).

Kiyama T, et al. (2026) Tbr2-dependent parallel pathways regulate the development of distinct ipRGC subtypes. *Communications biology*, 9(1).

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).

Johnson H, et al. (2026) Developmental Profiling of Structural and Functional Maturation in Mouse Corpus Callosum. *Glia*, 74(6), e70152.

Duan X, et al. (2026) Stabilized Ion Selectivity Corrects Activation Drift in Kalium Channelrhodopsins. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(6), e09180.

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

Richardson A, et al. (2026) Neuron-derived neurotrophic factor-positive interneurons: a cellular target for anti-seizure therapies. *EBioMedicine*, 130, 106362.

Minere M, et al. (2025) Presynaptic hyperexcitability reversed by positive allosteric modulation of a GABABR epilepsy variant. *Brain : a journal of neurology*, 148(2), 533.

Nam YW, et al. (2025) Cryo-EM structures of the small-conductance Ca²⁺-activated KCa_{2.2} channel. *Nature communications*, 16(1), 3690.