

# Resource Summary Report

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## 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](http://spider.science.strath.ac.uk/sipbs/software_ses.htm)

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**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, software resource, software application, data analysis software, data processing software

**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:** 20260808T190016+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 [dkNET](#) .

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).

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).

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.

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

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

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

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.

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 Ca<sup>2+</sup>-activated KCa<sub>2.2</sub> channel. *Nature communications*, 16(1), 3690.