Resource Summary Report

Generated by dkNET on May 22, 2025

Patchers Power Tools

RRID:SCR_001950
Type: Tool

Proper Citation

Patchers Power Tools (RRID:SCR_001950)

Resource Information

URL: http://www3.mpibpc.mpg.de/groups/neher/index.php?page=software

Proper Citation: Patchers Power Tools (RRID:SCR_001950)

Description: An Igor Pro XOP software tool collection for reading Heka Pulse/PM files and other tools for electrophysiologists.

Abbreviations: PPT

Synonyms: PPT XOP, Patcher"s Power Tools

Resource Type: software toolkit, software resource

Keywords: electrophysiology

Funding:

Resource Name: Patchers Power Tools

Resource ID: SCR_001950

Alternate IDs: SciRes_000167

Record Creation Time: 20220129T080210+0000

Record Last Update: 20250522T055956+0000

Ratings and Alerts

No rating or validation information has been found for Patchers Power Tools.

No alerts have been found for Patchers Power Tools.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 36 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Jaime Tobón LM, et al. (2024) Bridging the gap between presynaptic hair cell function and neural sound encoding. eLife, 12.

Oestreicher D, et al. (2024) CaBP1 and 2 enable sustained CaV1.3 calcium currents and synaptic transmission in inner hair cells. eLife, 13.

Kompier N, et al. (2024) Membrane properties and coupling of macroglia in the optic nerve. Current research in neurobiology, 7, 100137.

Chakrabarti R, et al. (2022) Optogenetics and electron tomography for structure-function analysis of cochlear ribbon synapses. eLife, 11.

Keine C, et al. (2022) Presynaptic Rac1 controls synaptic strength through the regulation of synaptic vesicle priming. eLife, 11.

Ritzau-Jost A, et al. (2021) Large, Stable Spikes Exhibit Differential Broadening in Excitatory and Inhibitory Neocortical Boutons. Cell reports, 34(2), 108612.

Unger F, et al. (2021) Population imaging of synaptically released glutamate in mouse hippocampal slices. STAR protocols, 2(4), 100877.

Kruse M, et al. (2021) Control of Neuronal Excitability by Cell Surface Receptor Density and Phosphoinositide Metabolism. Frontiers in pharmacology, 12, 663840.

Warren B, et al. (2020) Physiological Basis of Noise-Induced Hearing Loss in a Tympanal Ear. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(15), 3130.

Nakakubo Y, et al. (2020) Vesicular Glutamate Transporter Expression Ensures High-Fidelity Synaptic Transmission at the Calyx of Held Synapses. Cell reports, 32(7), 108040.

Lübbert M, et al. (2019) CaV2.1 ?1 Subunit Expression Regulates Presynaptic CaV2.1 Abundance and Synaptic Strength at a Central Synapse. Neuron, 101(2), 260.

Tembo M, et al. (2019) Phosphatidylinositol 4,5-bisphosphate (PIP2) and Ca2+ are both required to open the Cl- channel TMEM16A. The Journal of biological chemistry, 294(33), 12556.

Warren B, et al. (2018) The Role of the Mechanotransduction Ion Channel Candidate Nanchung-Inactive in Auditory Transduction in an Insect Ear. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(15), 3741.

Jean P, et al. (2018) The synaptic ribbon is critical for sound encoding at high rates and with temporal precision. eLife, 7.

Singh M, et al. (2018) Presynaptic loss of dynamin-related protein 1 impairs synaptic vesicle release and recycling at the mouse calyx of Held. The Journal of physiology, 596(24), 6263.

León LE, et al. (2017) Partial microduplication in the histone acetyltransferase complex member KANSL1 is associated with congenital heart defects in 22q11.2 microdeletion syndrome patients. Scientific reports, 7(1), 1795.

Steculorum SM, et al. (2017) Inhibition of P2Y6 Signaling in AgRP Neurons Reduces Food Intake and Improves Systemic Insulin Sensitivity in Obesity. Cell reports, 18(7), 1587.

Riessland M, et al. (2017) Neurocalcin Delta Suppression Protects against Spinal Muscular Atrophy in Humans and across Species by Restoring Impaired Endocytosis. American journal of human genetics, 100(2), 297.

Lübbert M, et al. (2017) A novel region in the CaV2.1 ?1 subunit C-terminus regulates fast synaptic vesicle fusion and vesicle docking at the mammalian presynaptic active zone. eLife, 6.

Eguchi K, et al. (2017) Wild-Type Monomeric ?-Synuclein Can Impair Vesicle Endocytosis and Synaptic Fidelity via Tubulin Polymerization at the Calyx of Held. The Journal of neuroscience : the official journal of the Society for Neuroscience, 37(25), 6043.