

Resource Summary Report

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Patchmaster

RRID:SCR_000034

Type: Tool

Proper Citation

Patchmaster (RRID:SCR_000034)

Resource Information

URL: http://www.heka.com/products/products_main.html#soft_pm

Proper Citation: Patchmaster (RRID:SCR_000034)

Description: Multi-channel data acquisition software. Multi-channel stimulation/acquisition software with programmable experiment control and automation, software Lock-in amplifier and Photometry/Imaging extension. PATCHMASTER supports all HEKA amplifiers and data acquisition hardware.

Synonyms: PATCHMASTER

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

Keywords: HEKA, HEKA amplifiers and data acquisition hardware support,

Availability: Restricted

Resource Name: Patchmaster

Resource ID: SCR_000034

Alternate IDs: SciRes_000168

License: Commercial license

Record Creation Time: 20220129T080159+0000

Record Last Update: 20260729T043955+0000

Ratings and Alerts

No rating or validation information has been found for Patchmaster.

No alerts have been found for Patchmaster.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 149 mentions in open access literature.

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

Zhang J, et al. (2025) The transcription factor ZFP64 promotes activity-dependent synapse elimination during postnatal cerebellar development. *iScience*, 28(6), 112746.

Cañizares Luna M, et al. (2025) Protocol for generating and using human iPSC-derived microglia-containing air-liquid-interface cortical organoid cultures. *STAR protocols*, 6(3), 103915.

Lin KH, et al. (2025) Number and relative abundance of synaptic vesicles in functionally distinct priming states determine synaptic strength and short-term plasticity. *The Journal of physiology*.

Seo J, et al. (2025) Acquisition phase-specific contribution of climbing fiber transmission to cerebellum-dependent motor memory in mice. *eLife*, 13.

Tóth BI, et al. (2025) Direct modulation of TRPM8 ion channels by rapamycin and analog macrolide immunosuppressants. *eLife*, 13.

O'Neill PS, et al. (2025) A deep learning framework for automated and generalized synaptic event analysis. *eLife*, 13.

Dorrego-Rivas A, et al. (2025) Strikingly different neurotransmitter release strategies in dopaminergic subclasses. *eLife*, 14.

Baccini G, et al. (2025) Parvalbumin expression identifies subicular principal cells with high projection specificity. *Cell reports*, 44(8), 116004.

Delvendahl I, et al. (2025) MicroRNA-138-5p suppresses excitatory synaptic strength at the cerebellar input layer. *The Journal of physiology*, 603(10), 3161.

Stojanovic S, et al. (2025) Rebound Bursting Selectively Enables Fast Dynamics in Dopamine Midbrain Neurons Projecting to the Dorsolateral Striatum. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(44).

Much C, et al. (2025) Distinct specificity and functions of PRC2 subcomplexes in human stem cells and cardiac differentiation. *Molecular cell*, 85(16), 3057.

Seo J, et al. (2025) Temporal dynamics of Purkinje cell-intrinsic excitability governs cerebellar systems consolidation. *iScience*, 28(11), 113760.

Midorikawa M, et al. (2024) Developmental refinement of the active zone nanotopography and axon wiring at the somatosensory thalamus. *Cell reports*, 43(10), 114770.

Tetzlaff SK, et al. (2024) Characterizing and targeting glioblastoma neuron-tumor networks with retrograde tracing. *Cell*.

García-Ávila M, et al. (2024) Permeant cations modulate pore dynamics and gating of TRPV1 ion channels. *The Journal of general physiology*, 156(1).

Weingarten DJ, et al. (2024) Synaptotagmins 3 and 7 mediate the majority of asynchronous release from synapses in the cerebellum and hippocampus. *Cell reports*, 43(8), 114595.

Sokolov R, et al. (2024) Hyaluronidase-induced matrix remodeling contributes to long-term synaptic changes. *Frontiers in neural circuits*, 18, 1441280.

Kawatake-Kuno A, et al. (2024) Sustained antidepressant effects of ketamine metabolite involve GABAergic inhibition-mediated molecular dynamics in aPVT glutamatergic neurons. *Neuron*.

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

Villarino NW, et al. (2023) Labeling PIEZO2 activity in the peripheral nervous system. *Neuron*, 111(16), 2488.