

# Resource Summary Report

Generated by T1D on Sep 2, 2026

## 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](http://www.heka.com/products/products_main.html#soft_pm)

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**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:** data acquisition software, data processing software, software application, software resource

**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:** 20260829T182019+0000

### Ratings and Alerts

No rating or validation information has been found for Patchmaster.

No alerts have been found for Patchmaster.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 155 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [T1D](#).

Inoshita T, et al. (2026) Increased reluctant vesicles underlie synaptic depression by GPR55 in axon terminals of rat cerebellar Purkinje cells. *eLife*, 14.

Cordeiro S, et al. (2026) Natural xanthenes as  $\gamma$ -Mangostin induce vasorelaxation involving key gating residues in the S6 domain of BK channels. *eLife*, 14.

Contreras J, et al. (2026) Scn2a, encoding Na V 1.2 channel, contributes to tonotopic maturation of spike kinetics in developing mouse MNTB. *Frontiers in cellular neuroscience*, 20, 1819425.

Handlin LJ, et al. (2026) Sequential membrane remodeling by cholesterol distinctly modulates HCN channels in naïve and neuropathic DRG neurons. *The Journal of general physiology*, 158(3).

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.

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

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*.

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

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.

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

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

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).

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

Milanick W, et al. (2025) Presynaptic  $\alpha$ 2 $\alpha$ s specify synaptic gain, not synaptogenesis, in the mammalian brain. *Neuron*, 113(12), 1886.

Thoreson WB, et al. (2025) The architecture of invaginating rod synapses slows glutamate diffusion and shapes synaptic responses. *The Journal of general physiology*, 157(3).

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.

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

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