

Resource Summary Report

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Bpod

RRID:SCR_015943

Type: Tool

Proper Citation

Bpod (RRID:SCR_015943)

Resource Information

URL: <https://github.com/sanworks>

Proper Citation: Bpod (RRID:SCR_015943)

Description: Software for a measurement and control system for behavior research, most often used to implement operant (Go/NoGo, 2AFC) tasks. This software controls a hierarchy of hardware modules, each powered by an Arduino-programmable microcontroller.

Resource Type: software resource

Keywords: sanworks, rodent, behavior, experiment, control, software, hardware, arduino, measurement

Availability: Open source, Free, Available for download

Resource Name: Bpod

Resource ID: SCR_015943

Alternate URLs: <https://github.com/sanworks/Bpod>

License: GPL-3.0

Record Creation Time: 20220129T080328+0000

Record Last Update: 20260815T182511+0000

Ratings and Alerts

No rating or validation information has been found for Bpod.

No alerts have been found for Bpod.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 42 mentions in open access literature.

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

Lopez-Yepez JS, et al. (2026) Time-dependent deployment of medial prefrontal cortical representations in male mice. *Nature communications*, 17(1), 1473.

Monasterio A, et al. (2026) CA1 Engram Cell Dynamics Before and After Learning. *bioRxiv* : the preprint server for biology.

Zhang YE, et al. (2026) Adaptive reorganization of history encoding in the retrosplenial cortex supports flexible decision-making strategies. *Neuron*, 114(12), 2272.

Palacio-Manzano M, et al. (2026) Proprioceptive cortical neurons implement optimal state estimation. *Current biology : CB*, 36(14), 3623.

Shiotani K, et al. (2026) Encoding of odor information and reward anticipation in anterior cortical amygdaloid nucleus. *iScience*, 29(2), 114590.

Suzuki KE, et al. (2025) Tachykinin 1-expressing neurons in the lateral habenula signal negative reward prediction error. *bioRxiv* : the preprint server for biology.

Liu H, et al. (2025) Subsecond dopamine fluctuations do not specify the vigor of ongoing actions. *Nature neuroscience*, 28(12), 2432.

Qian FK, et al. (2025) Mechanisms of experience-dependent place-cell referencing in hippocampal area CA1. *Nature neuroscience*, 28(7), 1486.

Gjoni E, et al. (2025) Complementary cortical and thalamic contributions to cell-type-specific striatal activity dynamics during movement. *bioRxiv* : the preprint server for biology.

Saathoff V, et al. (2025) A Semi-Automated, Parallelized, and Flexible Spatial Navigation Task for Rats. *bioRxiv* : the preprint server for biology.

Peretz-Rivlin N, et al. (2025) An automated group-housed oral fentanyl self-administration method in mice. *Psychopharmacology*, 242(5), 1041.

Cifuentes LV, et al. (2025) Temporally and Functionally Distinct Contributions to Value Based Choice Along the Anterior-Posterior Dorsomedial Striatal Axis. *bioRxiv* : the preprint server for biology.

Scheer I, et al. (2025) The olivocerebellar system differentially encodes the effect sensory events exert on behavior. *Cell reports*, 44(10), 116444.

Federman N, et al. (2024) Acquisition of non-olfactory encoding improves odour discrimination in olfactory cortex. *Nature communications*, 15(1), 5572.

Shiotani K, et al. (2024) An intra-oral flavor detection task in freely moving mice. *iScience*, 27(2), 108924.

Ishizu K, et al. (2024) Localized and global representation of prior value, sensory evidence, and choice in male mouse cerebral cortex. *Nature communications*, 15(1), 4071.

Molano-Mazón M, et al. (2024) Rapid, systematic updating of movement by accumulated decision evidence. *bioRxiv : the preprint server for biology*.

Isaac J, et al. (2024) Sex differences in neural representations of social and nonsocial reward in the medial prefrontal cortex. *Nature communications*, 15(1), 8018.

Molano-Mazón M, et al. (2024) Rapid, systematic updating of movement by accumulated decision evidence. *Nature communications*, 15(1), 10583.

Choi K, et al. (2023) Distributed processing for value-based choice by prelimbic circuits targeting anterior-posterior dorsal striatal subregions in male mice. *Nature communications*, 14(1), 1920.