Resource Summary Report

Generated by T1D on Aug 2, 2026

Bpod

RRID:SCR_015943
Type: Tool

Proper Citation

Bpod (RRID:SCR_015943)

Resource Information

URL: https://github.com/sanworks

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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: 20260801T190532+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 37 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

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

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

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.

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

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

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.

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

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.

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.

Musall S, et al. (2023) Pyramidal cell types drive functionally distinct cortical activity patterns during decision-making. Nature neuroscience, 26(3), 495.

Yin C, et al. (2023) Engaged decision-makers align spontaneous movements to stereotyped task demands. bioRxiv : the preprint server for biology.

Luongo FJ, et al. (2023) Mice and primates use distinct strategies for visual segmentation. eLife, 12.

Bao C, et al. (2023) The rat frontal orienting field dynamically encodes value for economic decisions under risk. Nature neuroscience, 26(11), 1942.

Terem A, et al. (2023) Claustral neurons projecting to frontal cortex restrict opioid consumption. Current biology : CB, 33(13), 2761.