

Resource Summary Report

Generated by SPARC SAWG on Aug 10, 2026

Falcon

RRID:SCR_023199

Type: Tool

Proper Citation

Falcon (RRID:SCR_023199)

Resource Information

URL: <https://bitbucket.org/kloostermannerflab/>

Proper Citation: Falcon (RRID:SCR_023199)

Description: Open source software tool for closed loop neuroscientific experiments capable of sub-millisecond response latency over high-rate streaming data acquired from high-count multi-electrode arrays. Used for processing and controlling closed-loop neuroscience data.

Resource Type: software toolkit, software resource

Defining Citation: [DOI:10.1088/1741-2552/aa7526](https://doi.org/10.1088/1741-2552/aa7526)

Keywords: OpenBehavior, processing and controlling closed-loop data, implementing closed loop neuroscience experiments, high rate streaming data, high count multi electrode arrays, neuroscience data

Availability: Free, Freely available

Resource Name: Falcon

Resource ID: SCR_023199

Alternate URLs: <https://edspace.american.edu/openbehavior/project/falcon/>

Record Creation Time: 20230128T050204+0000

Record Last Update: 20260810T040813+0000

Ratings and Alerts

No rating or validation information has been found for Falcon.

No alerts have been found for Falcon.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Cluzet V, et al. (2025) Pharmacologic Inhibition of SIRT1 Limits the Growth of Tumoral and Metastatic Granulosa Cells by Affecting mTOR, Myc, and E2F Pathways. *Molecular cancer therapeutics*, 24(8), 1197.

Lu Y, et al. (2024) Whole-genome sequencing of the invasive golden apple snail *Pomacea canaliculata* from Asia reveals rapid expansion and adaptive evolution. *GigaScience*, 13.

Li J, et al. (2024) Chromosome-level genome assembly and annotation of rare and endangered tropical bivalve, *Tridacna crocea*. *Scientific data*, 11(1), 186.

Lax C, et al. (2024) Symmetric and asymmetric DNA N6-adenine methylation regulates different biological responses in *Mucorales*. *Nature communications*, 15(1), 6066.

Souza-Borges CH, et al. (2024) De novo assembly and characterization of a highly degenerated ZW sex chromosome in the fish *Megaleporinus macrocephalus*. *GigaScience*, 13.

Gu H, et al. (2023) Evolution, Inheritance, and Strata Formation of the W Chromosome in Duck (*Anas platyrhynchos*). *Genome biology and evolution*, 15(11).

Gemborn Nilsson M, et al. (2023) An open-source human-in-the-loop BCI research framework: method and design. *Frontiers in human neuroscience*, 17, 1129362.