

# Resource Summary Report

Generated by [dkNET](#) on Aug 18, 2026

## Calcium ActiVity Explorer

RRID:SCR\_021498

Type: Tool

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### Proper Citation

Calcium ActiVity Explorer (RRID:SCR\_021498)

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### Resource Information

**URL:** <https://github.com/mtlippert/CAVE>

**Proper Citation:** Calcium ActiVity Explorer (RRID:SCR\_021498)

**Description:** Open source tool for combined analysis of head mounted calcium imaging and behavior. Used to analyze imaging data from head mounted microscopes simultaneously with behavioral data.

**Abbreviations:** CAVE

**Synonyms:** Calcium ActiVity Explorer

**Resource Type:** data processing software, software resource, data analysis software, software application

**Defining Citation:** [DOI:10.3389/fnins.2018.00958](https://doi.org/10.3389/fnins.2018.00958)

**Keywords:** Head mounted calcium imaging, calcium imaging and behavior, calcium imaging, analyze imaging data, head mounted microscopes, behavioral data, OpenBehavior

**Availability:** Free, Available for download, Freely Available

**Resource Name:** Calcium ActiVity Explorer

**Resource ID:** SCR\_021498

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

**Record Creation Time:** 20220129T080355+0000

**Record Last Update:** 20260818T043649+0000

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### Ratings and Alerts

No rating or validation information has been found for Calcium ActiVity Explorer.

No alerts have been found for Calcium ActiVity Explorer.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Hata H, et al. (2020) High pressure inhibits signaling protein binding to the flagellar motor and bacterial chemotaxis through enhanced hydration. Scientific reports, 10(1), 2351.

Favor AH, et al. (2020) Optimizing bacteriophage engineering through an accelerated evolution platform. Scientific reports, 10(1), 13981.