

# Resource Summary Report

Generated by SPARC SAWG on Sep 17, 2026

## Real-Time Experimental Control with Graphical User Interface

RRID:SCR\_019008

Type: Tool

### Proper Citation

Real-Time Experimental Control with Graphical User Interface (RRID:SCR\_019008)

### Resource Information

**URL:** <https://github.com/rec-gui/rec-gui>

**Proper Citation:** Real-Time Experimental Control with Graphical User Interface (RRID:SCR\_019008)

**Description:** Software tool as open source network based parallel processing solution for performing behavioral control, high precision stimulus presentation, and high density neurophysiological measurements. Framework uses network based parallel processing to implement experimental control and synchronize devices.

**Abbreviations:** REC-GUI

**Resource Type:** software application, software resource

**Defining Citation:** [DOI:10.7554/eLife.40231](https://doi.org/10.7554/eLife.40231)

**Funding:** Alfred P. Sloan Foundation ;  
Greater Milwaukee Foundation ;  
NEI EY029438;  
NIDCD DC014305;  
Whitehall Foundation

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

**Resource Name:** Real-Time Experimental Control with Graphical User Interface

**Resource ID:** SCR\_019008

**Alternate URLs:** <https://recgui2018.wixsite.com/rec-gui>

**Record Creation Time:** 20220129T080343+0000

**Record Last Update:** 20260912T200256+0000

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## Ratings and Alerts

No rating or validation information has been found for Real-Time Experimental Control with Graphical User Interface.

No alerts have been found for Real-Time Experimental Control with Graphical User Interface.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Zhu Z, et al. (2024) Differential clustering of visual and choice- and saccade-related activity in macaque V3A and CIP. *Journal of neurophysiology*, 131(4), 709.

Thompson LW, et al. (2023) Hierarchical computation of 3D motion across macaque areas MT and FST. *Cell reports*, 42(12), 113524.

Doudlah R, et al. (2022) Parallel processing, hierarchical transformations, and sensorimotor associations along the 'where' pathway. *eLife*, 11.

Thompson LW, et al. (2021) Perspective Cues Make Eye-specific Contributions to 3-D Motion Perception. *Journal of cognitive neuroscience*, 34(1), 192.

Chang TY, et al. (2020) Functional links between sensory representations, choice activity, and sensorimotor associations in parietal cortex. *eLife*, 9.