

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](http://FDI Lab - SciCrunch.org) on Mar 29, 2025

## SMART Video-tracking

RRID:SCR\_002852

Type: Tool

### Proper Citation

SMART Video-tracking (RRID:SCR\_002852)

### Resource Information

**URL:**

<http://www.panlab.com/panlabWeb/Software/php/displaySoft.php?nameSoft=SMART%20VIDEO-TRACKING>

**Proper Citation:** SMART Video-tracking (RRID:SCR\_002852)

**Description:** Software for the automated evaluation of behavior in a range of pre-clinical and neuroscience applications in basic and clinical psychopharmacology. Applications include phenotype characterization and studying the behavioral effects of pharmacologic substances.

**Abbreviations:** SMART

**Synonyms:** Panlab SMART video tracking system, SMART Video tracking

**Resource Type:** commercial organization, software resource

**Keywords:** phenotype, recording, activity, trajectory, event, social interaction, global activity, anxiety, depression, learning, memory, locomotor activity, exploration, reward, addiction, behavior

**Funding:**

**Availability:** Free trial, Commercial license

**Resource Name:** SMART Video-tracking

**Resource ID:** SCR\_002852

**Alternate IDs:** rid\_000052

**Record Creation Time:** 20220129T080215+0000

**Record Last Update:** 20250329T060210+0000

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## Ratings and Alerts

No rating or validation information has been found for SMART Video-tracking.

No alerts have been found for SMART Video-tracking.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 2345 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Otsubo K, et al. (2024) Role of desmoplakin in supporting neuronal activity, neurogenic processes, and emotional-related behaviors in the dentate gyrus. *Frontiers in neuroscience*, 18, 1418058.

Martin Flores N, et al. (2024) Downregulation of Dickkopf-3, a Wnt antagonist elevated in Alzheimer's disease, restores synapse integrity and memory in a disease mouse model. *eLife*, 12.

Tamnanloo F, et al. (2024) Excessive intragastric alcohol administration exacerbates hepatic encephalopathy and provokes neuronal cell death in male rats with chronic liver disease. *Journal of neuroscience research*, 102(5), e25337.

Yu W, et al. (2024) Bergenin mitigates neuroinflammatory damage induced by high glucose: insights from Zebrafish, murine microbial cell line, and rat models. *Frontiers in pharmacology*, 15, 1339178.

Wang F, et al. (2024) The thalamic reticular nucleus orchestrates social memory. *Neuron*, 112(14), 2368.

Ma T, et al. (2024) Mea6/cTAGE5 cooperates with TRAPPC12 to regulate PTN secretion and white matter development. *iScience*, 27(3), 109180.

Sullens DG, et al. (2024) Sex in aging matters: exercise and chronic stress differentially impact females and males across the lifespan. *Frontiers in aging neuroscience*, 16, 1508801.

Arias-Aragón F, et al. (2023) A Neuroligin-1 mutation associated with Alzheimer's disease produces memory and age-dependent impairments in hippocampal plasticity. *iScience*, 26(6), 106868.

Guo Y, et al. (2023) Down-regulating nuclear factor of activated T cells 1 alleviates cognitive deficits in a mouse model of sepsis-associated encephalopathy, possibly by stimulating hippocampal neurogenesis. *Brain research*, 1826, 148731.

Navarro-Romero A, et al. (2022) Cannabinoid signaling modulation through JZL184 restores key phenotypes of a mouse model for Williams-Beuren syndrome. *eLife*, 11.

Guo Z, et al. (2022) Activity-dependent PI4P synthesis by PI4KIII $\beta$  regulates long-term synaptic potentiation. *Cell reports*, 38(9), 110452.

Lee M, et al. (2022) Rapamycin Cannot Reduce Seizure Susceptibility in Infantile Rats with Malformations of Cortical Development Lacking mTORC1 Activation. *Molecular neurobiology*, 59(12), 7439.

Yao M, et al. (2022) POSH regulates assembly of the NMDAR/PSD-95/Shank complex and synaptic function. *Cell reports*, 39(1), 110642.

Brody AH, et al. (2022) Alzheimer risk gene product Pyk2 suppresses tau phosphorylation and phenotypic effects of tauopathy. *Molecular neurodegeneration*, 17(1), 32.

Yang L, et al. (2022) Ventrolateral Periaqueductal Gray Astrocytes Regulate Nociceptive Sensation and Emotional Motivation in Diabetic Neuropathic Pain. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(43), 8184.

Shiwaku H, et al. (2022) Autoantibodies against NCAM1 from patients with schizophrenia cause schizophrenia-related behavior and changes in synapses in mice. *Cell reports. Medicine*, 3(4), 100597.

Jo KW, et al. (2022) Gossypetin ameliorates 5xFAD spatial learning and memory through enhanced phagocytosis against A $\beta$ . *Alzheimer's research & therapy*, 14(1), 158.

Turner S, et al. (2022) Rapid Adaptation of Cancer Education in Response to the COVID-19 Pandemic: Evaluation of a Live Virtual Statistics and Research Skills Workshop for Oncology Trainees. *Journal of cancer education : the official journal of the American Association for Cancer Education*, 37(4), 905.

Sullens DG, et al. (2021) Social isolation induces hyperactivity and exploration in aged female mice. *PLoS one*, 16(2), e0245355.

Brigas HC, et al. (2021) IL-17 triggers the onset of cognitive and synaptic deficits in early stages of Alzheimer's disease. *Cell reports*, 36(9), 109574.