

Resource Summary Report

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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: software resource, commercial organization

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

Availability: Restricted

Resource Name: SMART Video-tracking

Resource ID: SCR_002852

Alternate IDs: rid_000052

License: Commercial license

Record Creation Time: 20220129T080215+0000

Record Last Update: 20260818T043151+0000

Ratings and Alerts

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

No alerts have been found for SMART Video-tracking.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2358 mentions in open access literature.

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

Furuyama T, et al. (2026) Noise-evoked dopamine dynamics in the nucleus accumbens and tail of the striatum. *iScience*, 29(5), 115789.

Casanova-Pagola J, et al. (2026) Early-life cognitive intervention preserves brain function in aged TgF344-AD rats with sex-specific effects. *iScience*, 29(1), 114381.

Livrizzi G, et al. (2026) Top-down control of the descending pain modulatory system drives multimodal placebo analgesia. *Neuron*.

García A, et al. (2025) Central role of regular firing neurons of centrolateral amygdala in affective behaviors. *iScience*, 28(6), 112649.

Ohno M, et al. (2025) Functional role of dentate gyrus calbindin-D28K in supporting neurogenesis and emotional-social behavior relevant to antidepressant action. *Pharmacology, biochemistry, and behavior*, 255, 174076.

Fortunato MC, et al. (2025) Maternal Tryptophan Supplementation Alters Offspring Gut-Brain Axis and Behavior in a Sex-Specific Manner. *Journal of neurochemistry*, 169(7), e70161.

Lourenço DM, et al. (2025) Cannabidiol mitigates motor and cognitive impairments in a female mouse model of Rett syndrome. *Life sciences*, 378, 123846.

Cardoso Delgado T, et al. (2025) Metabolic dysfunction-associated steatotic liver disease alters brain function and behavior: Insights from liver-targeted siRNA therapy. *Science advances*, 11(43), eady9758.

Méndez FA, et al. (2025) Acute and Long-Term Consequences of Neonatal NMDA Blockade in the Cx3cr1 Knock-Out Mouse. *Inflammation*.

Chen J, et al. (2025) Distinct Roles of Astrocytes and GABAergic Neurons in the Paraventricular Thalamic Nucleus in Modulating Diabetic Neuropathic Pain. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(8).

Sitjà-Roqueta L, et al. (2025) Photoactivated adenylyl cyclase in cortical astrocytes promotes synaptic potentiation and reveals alterations in Huntington's disease. *iScience*, 28(11), 113640.

Motohashi H, et al. (2025) Persistent pain signaling and stress response in a mouse model of inflammatory low back pain. *Pain reports*, 10(4), e1300.

Chu CH, et al. (2025) Intermittent Hypoxia Damages Tyrosine Hydroxylase-Containing Neurons in the Substantia Nigra and Locus Coeruleus but Not Hippocampal Neurons in Male Mouse Models of Early-Stage Sleep Apnea. *Journal of neuroscience research*, 103(6), e70050.

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.

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.

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.

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.