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: 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: 20250526T052920+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 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.

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

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

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.

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? 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.

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.

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.

Jo KW, et al. (2022) Gossypetin ameliorates 5xFAD spatial learning and memory through enhanced phagocytosis against A?. 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.