

Resource Summary Report

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Noldus: CatWalk XT

RRID:SCR_021262

Type: Tool

Proper Citation

Noldus: CatWalk XT (RRID:SCR_021262)

Resource Information

URL: <https://www.noldus.com/catwalk-xt>

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Description: Gait analysis system for quantitative assessment of footfalls and locomotion in rats and mice. System includes corridor that directs free movement in straight line, hardened glass walkway that enables CatWalk XT Illuminated Footprints technology, high speed color camera for spatial and temporal resolution, CatWalk XT software for recording and automated analysis of locomotor ability of rodents.

Synonyms: CatWalk XT, Noldus

Resource Type: instrument resource

Keywords: CatWalk XT, gait analyses, gait analysis system, instrument, equipment, USEDit

Availability: Commercially available

Resource Name: Noldus: CatWalk XT

Resource ID: SCR_021262

Record Creation Time: 20220129T080354+0000

Record Last Update: 20260725T190943+0000

Ratings and Alerts

No rating or validation information has been found for Noldus: CatWalk XT.

No alerts have been found for Noldus: CatWalk XT.

Data and Source Information

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Attwell CL, et al. (2025) The transcription factor combination MEF2 and KLF7 promotes axonal sprouting in the injured spinal cord with functional improvement and regeneration-associated gene expression. *Molecular neurodegeneration*, 20(1), 18.

Ikefuama EC, et al. (2025) Presymptomatic targeted circuit manipulation for ameliorating Huntington's disease pathogenesis. *iScience*, 28(3), 112022.

Ko JY, et al. (2024) Cartilage-specific knockout of miRNA-128a expression normalizes the expression of circadian clock genes (CCGs) and mitigates the severity of osteoarthritis. *Biomedical journal*, 47(2), 100629.

Ye H, et al. (2024) Curcumin regulates autophagy through SIRT3-SOD2-ROS signaling pathway to improve quadriceps femoris muscle atrophy in KOA rat model. *Scientific reports*, 14(1), 8176.

??evc J, et al. (2024) Comparative model of minimal spinal cord injury reveals a rather anti-inflammatory response in the lesion site as well as increased proliferation in the central canal lining in the neonates compared to the adult rats. *Developmental neurobiology*, 84(3), 169.

Tetzlaff SK, et al. (2024) Characterizing and targeting glioblastoma neuron-tumor networks with retrograde tracing. *Cell*.

Kantarci H, et al. (2024) Schwann cell-secreted PGE2 promotes sensory neuron excitability during development. *Cell*, 187(17), 4690.

DeGeer J, et al. (2022) Ral GTPases are critical regulators of spinal cord myelination and homeostasis. *Cell reports*, 40(13), 111413.

Segelcke D, et al. (2021) Tmem160 contributes to the establishment of discrete nerve injury-induced pain behaviors in male mice. *Cell reports*, 37(12), 110152.

Perez H, et al. (2021) A novel, ataxic mouse model of ataxia telangiectasia caused by a clinically relevant nonsense mutation. *eLife*, 10.

Wang FS, et al. (2020) Irisin Mitigates Oxidative Stress, Chondrocyte Dysfunction and Osteoarthritis Development through Regulating Mitochondrial Integrity and Autophagy. *Antioxidants (Basel, Switzerland)*, 9(9).

Ko JY, et al. (2019) MicroRNA-29a Mitigates Subacromial Bursa Fibrosis in Rotator Cuff Lesion with Shoulder Stiffness. *International journal of molecular sciences*, 20(22).