Resource Summary Report

Generated by NIF on Sep 12, 2026

NanoMotor

RRID:SCR_016100
Type: Tool

Proper Citation

NanoMotor (RRID:SCR_016100)

Resource Information

URL: http://www.nanotechnik.com/invivo.html

Proper Citation: NanoMotor (RRID:SCR_016100)

Description: Hardware for performing patch clamping for in vivo cell recordings of freely moving animals. The setup consists of a support column with an enlarged base for mounting the assembly, a clip which allows for flexibility in placement, and an actuated axis fitted with a capillary holder for the reference electrode.

Resource Type: resource

Keywords: hardware, instrument, equipment, in vivo, recording, cell, experiment, research, electrode, patch, clamp

Availability: Commercially available

Resource Name: NanoMotor

Resource ID: SCR_016100

Alternate URLs: http://www.nanotechnik.com/fileadmin/public/brochures/NM_invivo.pdf

Record Creation Time: 20220129T080328+0000

Record Last Update: 20260912T195835+0000

Ratings and Alerts

No rating or validation information has been found for NanoMotor.

No alerts have been found for NanoMotor.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Jiang J, et al. (2025) NIR-II Fluorescent Thermophoretic Nanomotors for Superficial Tumor Photothermal Therapy. Advanced materials (Deerfield Beach, Fla.), 37(10), e2417440.

Wang ZH, et al. (2025) Bioactive nanomotor enabling efficient intestinal barrier penetration for colorectal cancer therapy. Nature communications, 16(1), 1678.

Xu X, et al. (2025) Ultrasound-Induced Nitric Oxide-Propelled Nanomotor for Multimodal Theranostics of Cancer with Deep Penetration and Extended Lifetime. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(30), e16709.

Escudero A, et al. (2025) Glucose-Fueled Gated Nanomotors: Enhancing In Vivo Anticancer Efficacy via Deep Drug Penetration into Tumors. ACS nano, 19(22), 20932.

Gao F, et al. (2025) Photothermal and Photodynamic Strategies for Diagnosis and Therapy of Alzheimer's Disease by Modulating Amyloid-? Aggregation. Biosensors, 15(8).

Middleton SJ, et al. (2025) SLC45A4 is a pain gene encoding a neuronal polyamine transporter. Nature, 646(8084), 404.

Desiderio S, et al. (2024) Touch receptor end-organ innervation and function require sensory neuron expression of the transcription factor Meis2. eLife, 12.

Choi H, et al. (2024) Urease-powered nanomotor containing STING agonist for bladder cancer immunotherapy. Nature communications, 15(1), 9934.

Ye J, et al. (2024) Biomimetic Self-Propelled Asymmetric Nanomotors for Cascade-Targeted Treatment of Neurological Inflammation. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(22), e2310211.

Blanco-Hernández E, et al. (2024) Sensory and behavioral modulation of thalamic head-direction cells. Nature neuroscience, 27(1), 28.

Ding L, et al. (2022) Juxtacellular opto-tagging of hippocampal CA1 neurons in freely moving mice. eLife, 11.

Díez P, et al. (2021) Ultrafast Directional Janus Pt-Mesoporous Silica Nanomotors for Smart Drug Delivery. ACS nano, 15(3), 4467.

Dawes JM, et al. (2018) Immune or Genetic-Mediated Disruption of CASPR2 Causes Pain Hypersensitivity Due to Enhanced Primary Afferent Excitability. Neuron, 97(4), 806.

Tappe-Theodor A, et al. (2012) G?(q/11) signaling tonically modulates nociceptor function and contributes to activity-dependent sensitization. Pain, 153(1), 184.