Resource Summary Report

Generated by NIF on Sep 2, 2026

plusTipTracker

RRID:SCR_021890
Type: Tool

Proper Citation

plusTipTracker (RRID:SCR_021890)

Resource Information

URL: https://www.utsouthwestern.edu/labs/danuser/software/

Proper Citation: plusTipTracker (RRID:SCR_021890)

Description: Software package as quantitative image analysis software for measurement of microtubule dynamics. MATLAB software for tracking full dynamics of microtubules based on plusTIP marker live cell image sequences.

Resource Type: data processing software, image analysis software, software application, software resource

Defining Citation: PMID:21821130

Keywords: microtubule tracking, microtubule dynamics, microtubule dynamics measurement, plusTIP marker, live cell image sequences

Funding: NIGMS U01 GM67230

Availability: Free, Available for download, Freely available

Resource Name: plusTipTracker

Resource ID: SCR_021890

Record Creation Time: 20220421T050137+0000

Record Last Update: 20260829T182857+0000

Ratings and Alerts

No rating or validation information has been found for plusTipTracker.

No alerts have been found for plusTipTracker.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Sarkar S, et al. (2025) Epsin1 enforces a condensation-dependent checkpoint for ubiquitylated cargo during clathrin-mediated endocytosis. Nature communications, 16(1), 7929.

Yuan F, et al. (2024) Ubiquitin-driven protein condensation stabilizes clathrin-mediated endocytosis. PNAS nexus, 3(9), pgae342.

He S, et al. (2024) DNA break induces rapid transcription repression mediated by proteasome-dependent RNAPII removal. Cell reports, 43(7), 114420.

Yuan F, et al. (2023) Ubiquitin-driven protein condensation promotes clathrin-mediated endocytosis. bioRxiv : the preprint server for biology.

Wang Y, et al. (2021) LIMD1 phase separation contributes to cellular mechanics and durotaxis by regulating focal adhesion dynamics in response to force. Developmental cell, 56(9), 1313.

Anderson RH, et al. (2021) Sterols lower energetic barriers of membrane bending and fission necessary for efficient clathrin-mediated endocytosis. Cell reports, 37(7), 110008.

Willy NM, et al. (2021) De novo endocytic clathrin coats develop curvature at early stages of their formation. Developmental cell, 56(22), 3146.

Goldman DH, et al. (2021) Live-cell imaging reveals kinetic determinants of quality control triggered by ribosome stalling. Molecular cell, 81(8), 1830.

Vrtis KB, et al. (2021) Single-strand DNA breaks cause replisome disassembly. Molecular cell, 81(6), 1309.

Mani M, et al. (2019) DRG2 knockdown induces Golgi fragmentation via GSK3?? phosphorylation and microtubule stabilization. Biochimica et biophysica acta. Molecular cell research, 1866(9), 1463.