

Resource Summary Report

Generated by PRECISE-TBI on Jul 31, 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: software resource, software application, data processing software, image analysis software

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: 20260731T043057+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 [PRECISE-TBI](#) .

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.