# Resource Summary Report

Generated by NIF on Aug 20, 2026

## Cellpose

RRID:SCR_022332
Type: Tool

### Proper Citation

Cellpose (RRID:SCR_022332)

### Resource Information

**URL:** https://edspace.american.edu/openbehavior/project/cellpose/

**Proper Citation:** Cellpose (RRID:SCR_022332)

**Description:** Software tool as generalist algorithm for cell and nucleus segmentation.

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

**Defining Citation:** DOI:10.1038/s41592-020-01018-x

**Keywords:** OpenBehavior, Data Analysis, cell and nucleus segmentation

**Resource Name:** Cellpose

**Resource ID:** SCR_022332

**Alternate URLs:** https://github.com/mouseland/cellpose

**License:** GNU GPL

**Record Creation Time:** 20220602T050139+0000

**Record Last Update:** 20260820T054946+0000

### Ratings and Alerts

No rating or validation information has been found for Cellpose.

No alerts have been found for Cellpose.

### Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 21 mentions in open access literature.

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


Li X, et al. (2026) Activated ATF6? is a hepatic tumour driver restricting immunosurveillance. Nature, 651(8106), 796.

Okada J, et al. (2026) A novel subset of hepatocytes is simultaneously gluconeogenic and de novo lipogenic in the fed state and is naturally insulin resistant. bioRxiv : the preprint server for biology.

Rosen SJ, et al. (2026) Anti-resonance in developmental signaling regulates cell fate decisions. eLife, 14.

Philippe M, et al. (2026) Co-translational determination of quaternary structures in chaperone factories. Nature communications, 17(1).

Zimmermann J, et al. (2026) Bioimage analysis for multiplexed FUCCI acquisitions powered by deep learning. Npj imaging, 4(1).

Hageter J, et al. (2026) Protocol for using the multi-cellular analysis toolbox in ImageJ for single-cell calcium imaging analysis. STAR protocols, 7(2), 104591.

Emram R, et al. (2026) Susceptibility of the Oral Commensal Bacterium Streptococcus sanguinis to ZnO Nanoparticles. International journal of molecular sciences, 27(6).

Wafer R, et al. (2026) A quantitative in vivo CRISPR-imaging platform identifies regulators of hyperplastic and hypertrophic adipose morphology in zebrafish. eLife, 14.

Miao Y, et al. (2026) Foundation cell segmentation models performance on live microscopy and spatial-omics data. bioRxiv : the preprint server for biology.

Gachloo M, et al. (2026) LFCT: A Benchmark Dataset for Low-Frame-Rate Cell Tracking in Long-Term Live-Cell Microscopy. bioRxiv : the preprint server for biology.

Pérez-Verdugo F, et al. (2026) Mechanosensitive feedback organizes cell shape and motion during hindbrain neuropore morphogenesis. Current biology : CB, 36(8), 1903.

Eling N, et al. (2025) Multi-modal image analysis for large-scale cancer tissue studies within IMMUcan. Cell reports methods, 5(9), 101170.

Yapp C, et al. (2025) Highly multiplexed 3D profiling of cell states and immune niches in human tumors. Nature methods, 22(10), 2180.

Villa T, et al. (2025) Chemical inhibition of exon junction complex assembly impairs mRNA localization and neural stem cells ciliogenesis. Nucleic acids research, 53(21).

Briggs JK, et al. (2025) CRISP: correlation-refined image segmentation process. BMC bioinformatics, 26(1), 135.

Zähringer A, et al. (2025) AIstain: Enhancing microglial phagocytosis analysis through deep learning. Cell reports methods, 5(11), 101207.

Gorzek R, et al. (2025) Comparative transcriptomics reveals shifts in cortical architecture at the metatherian/eutherian transition. bioRxiv : the preprint server for biology.

Rahman MA, et al. (2024) Deep Learning Insights into the Dynamic Effects of Photodynamic Therapy on Cancer Cells. Pharmaceutics, 16(5).

Beri P, et al. (2023) A high-throughput cigarette smoke-treated bronchosphere model for disease-relevant phenotypic compound screening. PloS one, 18(6), e0287809.

Metzner K, et al. (2023) Imaging-based screening identifies modulators of the eIF3 translation initiation factor complex in Candida albicans. bioRxiv : the preprint server for biology.