

Resource Summary Report

Generated by [RRID](#) on Aug 11, 2026

StarDist

RRID:SCR_027715

Type: Tool

Proper Citation

StarDist (RRID:SCR_027715)

Resource Information

URL: <https://stardist.net/>

Proper Citation: StarDist (RRID:SCR_027715)

Description: Software application for object detection with Star-convex Shapes. Used for phase-contrast cell images.

Resource Type: software application, source code, software resource

Keywords: object detection, Star-convex Shapes, phase-contrast cell images,

Availability: Free, Available for download, Freely available

Resource Name: StarDist

Resource ID: SCR_027715

Alternate URLs: <https://github.com/stardist/stardist/>

License: BSD-3-Clause license

Record Creation Time: 20251204T070957+0000

Record Last Update: 20260810T040946+0000

Ratings and Alerts

No rating or validation information has been found for StarDist.

No alerts have been found for StarDist.

Data and Source Information

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Thulabandu V, et al. (2026) Insulinoma-associated 1 promotes neurogenic proliferation of cortical basal progenitors but is largely dispensable for projection neuron production. bioRxiv : the preprint server for biology.

Vagena-Pantoula C, et al. (2026) Piezo1-mediated mechanohydraulic control of cell volume drives cardiac morphogenesis. Science advances, 12(17), eaea7025.

Shaikh NM, et al. (2026) Active repression of muscle fate preserves neural lineage identity during cerebellum development. bioRxiv : the preprint server for biology.

Hensel IV, et al. (2026) Advanced human organoid-on-chip with physiological cellular complexity reveals bidirectional secretion patterns. iScience, 29(2), 114418.

Perry CH, et al. (2025) TEAD switches interacting partners along neural progenitor lineage progression to execute distinct functions. Genes & development, 39(13-14), 849.

Tiberi A, et al. (2025) Microglia drive synaptic and functional connectivity deficits in the Ts65Dn mouse model of Down syndrome by affecting inhibition. Acta neuropathologica communications, 14(1), 21.

Tenreiro MF, et al. (2025) MeCP2 regulates telencephalic development in human cerebral organoids. Cell reports, 44(12), 116670.

Fotin??s J, et al. (2024) Assessing the distribution of cancer stem cells in tumorspheres. Scientific reports, 14(1), 11013.

Hu B, et al. (2024) Representational learning by optimization of neural manifolds in an olfactory memory network. bioRxiv : the preprint server for biology.

Hirling D, et al. (2023) Cell segmentation and representation with shape priors. Computational and structural biotechnology journal, 21, 742.

Kurnia KA, et al. (2022) Performance Comparison of Five Methods for Tetrahymena Number Counting on the ImageJ Platform: Assessing the Built-in Tool and Machine-Learning-Based Extension. International journal of molecular sciences, 23(11).