CellProfiler Image Analysis Software

RRID:SCR_007358
Type: Tool

Proper Citation

CellProfiler Image Analysis Software (RRID:SCR_007358)

Resource Information

URL: http://cellprofiler.org

Description: CellProfiler cell image analysis software is free and open-source software designed to enable biologists without training in computer vision or programming to quantitatively measure phenotypes from thousands of images automatically. It counts cells and also measures the size, shape, intensity and texture of every cell (and every labeled subcellular compartment) in every image. It was designed for high throughput screening but can perform automated image analysis for images from time-lapse movies and low-throughput experiments. CellProfiler has an increasing number of algorithms to identify and measure properties of neuronal cell types.

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

Keywords: high-throughput, high content imaging, software, image, cell, phenotype, measurement, subcellular, intensity, size, shape, analysis, algorithm

Resource ID: SCR_007358

Parent Organization: Broad Institute

Funding Agency: NHGRI, NIGMS

Related resources: CellProfiler Analyst
References: PMID:21349861, PMID:17076895, PMID:19014601, PMID:19188593

Availability: Open source, Free, Available for download, Acknowledgement requested

Website Status: Last checked up

Alternate IDs: nif-0000-00280, nlx_66812, SCR_010649

Mentions Count: 981

Ratings and Alerts

No rating or validation information has been found for CellProfiler Image Analysis Software.

No alerts have been found for CellProfiler Image Analysis Software.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 981 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch Infrastructure.


Stefanovie B, et al. (2020) DSS1 interacts with and stimulates RAD52 to promote the repair of DSBs. Nucleic acids research, 48(2), 694-708.


