CellProfiler Image Analysis Software
RRID:SCR_007358
Type: Tool

Proper Citation

CellProfiler Image Analysis Software (RRID:SCR_007358)

Resource Information

URL: http://cellprofiler.org

Proper Citation: CellProfiler Image Analysis Software (RRID:SCR_007358)

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.

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

References: PMID:21349861, PMID:17076895, PMID:19014601, PMID:19188593

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

Parent Organization: Broad Institute

Funding Agency: NHGRI, NIGMS

Related resources: CellProfiler Analyst

Availability: Open source, Free, Available for download, Acknowledgement requested
**Website Status:** Last checked up

**Resource Name:** CellProfiler Image Analysis Software

**Resource ID:** SCR_007358

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

---

**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](https://www.sci.crunch.org)

---

**Usage and Citation Metrics**

We found 1521 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](https://www.sci.crunch.org).


Vagapova ER, et al. (2021) Viral fibrotic scoring and drug screen based on MAPK activity...
uncovers EGFR as a key regulator of COVID-19 fibrosis. Scientific reports, 11(1), 11234.


Schneider M, et al. (2021) Inhibition of Intercellular Cytosolic Traffic via Gap Junctions Reinforces Lomustine-Induced Toxicity in Glioblastoma Independent of MGMT Promoter Methylation Status. Pharmaceuticals (Basel, Switzerland), 14(3).


Hummell NA, et al. (2021) Novel Immune Modulators Enhance Resistance to Multiple Pathogens. mSphere, 6(1).