CellProfiler Image Analysis Software
RRID:SCR_007358
Type: Tool

Proper Citation

CellProfiler Image Analysis Software (RRID:SCR_007358)

Resource Information

**URL:** [http://cellprofiler.org](http://cellprofiler.org)

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**Description:** Software tool 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.

**Synonyms:** Cell Profiler, CellProfiler - cell image analysis software

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

**Defining Citation:** 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

**Funding Agency:** NIGMS, NIGMS, NHGRI

**Availability:** Free, Available for download, Freely available

**Resource Name:** CellProfiler Image Analysis Software

**Resource ID:** SCR_007358
Alternate IDs: SCR_010649, nlx_66812, nif-0000-00280

Alternate URLs: https://sources.debian.org/src/cellprofiler/

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 2062 mentions in open access literature.

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

Ro?ianu F, et al. (2023) Loss of NDR1/2 kinases impairs endomembrane trafficking and autophagy leading to neurodegeneration. Life science alliance, 6(2).


Hall EA, et al. (2023) Centriolar satellites expedite mother centriole remodeling to promote ciliogenesis. eLife, 12.


Ganley RP, et al. (2023) Targeted anatomical and functional identification of antinociceptive and pronociceptive serotonergic neurons that project to the spinal dorsal horn. eLife, 12.


Kolbinger A, et al. (2023) Eosinophil-derived IL-4 is necessary to establish the inflammatory structure in innate inflammation. EMBO molecular medicine, 15(2), e16796.

