## **Resource Summary Report**

Generated by ASWG on Apr 30, 2025

# **Cell Image Library (CIL)**

RRID:SCR\_003510

Type: Tool

## **Proper Citation**

Cell Image Library (CIL) (RRID:SCR\_003510)

#### **Resource Information**

**URL:** http://www.cellimagelibrary.org/

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**Description:** Freely accessible, public repository of vetted and annotated microscopic images, videos, and animations of cells from a variety of organisms, showcasing cell architecture, intracellular functionalities, and both normal and abnormal processes. Explore by Cell Process, Cell Component, Cell Type or Organism. The Cell includes images acquired from historical and modern collections, publications, and by recruitment.

Abbreviations: CIL

Synonyms: Cell Image Library. CIL, Cell Image Library (CIL)

Resource Type: data repository, service resource, database, image repository, storage

service resource, data or information resource

**Defining Citation:** <u>PMID:34218671</u>, <u>PMID:34218673</u>

**Keywords:** microscopic image repository, microscopic video repository, cell animation

repository, bio.tools

Funding: NIGMS RC2 GM092708

Availability: Free, Freely available

Resource Name: Cell Image Library (CIL)

Resource ID: SCR 003510

Alternate IDs: biotools:cellimagelibrary, nif-0000-37639

Alternate URLs: http://www.cellimagelibrary.org/pages/about,

https://bio.tools/cellimagelibrary

**Record Creation Time:** 20220129T080219+0000

**Record Last Update:** 20250430T055224+0000

## **Ratings and Alerts**

No rating or validation information has been found for Cell Image Library (CIL).

No alerts have been found for Cell Image Library (CIL).

### **Data and Source Information**

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 17 mentions in open access literature.

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

Mun SK, et al. (2023) Visualization of Metastatic Lung Cancer with TiNIR. Tomography (Ann Arbor, Mich.), 9(4), 1187.

Shrestha P, et al. (2023) Efficient end-to-end learning for cell segmentation with machine generated weak annotations. Communications biology, 6(1), 232.

van Hemert F, et al. (2021) A Novel Dual Antibody Staining Assay to Measure Estrogen Receptor Transcriptional Activity. Journal of fluorescence, 31(1), 219.

Zegarra-Valdivia JA, et al. (2021) Reduced Insulin-Like Growth Factor-I Effects in the Basal Forebrain of Aging Mouse. Frontiers in aging neuroscience, 13, 682388.

Murphy F, et al. (2021) A tool for assessing alignment of biomedical data repositories with open, FAIR, citation and trustworthy principles. PloS one, 16(7), e0253538.

Kim YK, et al. (2021) Morphometric Analysis of Retinal Pigment Epithelial Cells From C57BL/6J Mice During Aging. Investigative ophthalmology & visual science, 62(2), 32.

Lee CT, et al. (2020) An Open-Source Mesh Generation Platform for Biophysical Modeling Using Realistic Cellular Geometries. Biophysical journal, 118(5), 1003.

Nishimoto S, et al. (2019) Predicting the future direction of cell movement with convolutional neural networks. PloS one, 14(9), e0221245.

Lee JK, et al. (2018) Replication-dependent size reduction precedes differentiation in Chlamydia trachomatis. Nature communications, 9(1), 45.

Katchalski T, et al. (2018) Iron-specific Signal Separation from within Heavy Metal Stained Biological Samples Using X-Ray Microtomography with Polychromatic Source and Energy-Integrating Detectors. Scientific reports, 8(1), 7553.

Hammerling BC, et al. (2017) A Rab5 endosomal pathway mediates Parkin-dependent mitochondrial clearance. Nature communications, 8, 14050.

Wen Y, et al. (2017) Quantitative analysis and comparison of 3D morphology between viable and apoptotic MCF-7 breast cancer cells and characterization of nuclear fragmentation. PloS one, 12(9), e0184726.

Kitayama J, et al. (2016) Intraperitoneal Mesenchymal Cells Promote the Development of Peritoneal Metastasis Partly by Supporting Long Migration of Disseminated Tumor Cells. PloS one, 11(5), e0154542.

Boassa D, et al. (2014) Pannexin2 oligomers localize in the membranes of endosomal vesicles in mammalian cells while Pannexin1 channels traffic to the plasma membrane. Frontiers in cellular neuroscience, 8, 468.

Wu L, et al. (2013) A prescribed Chinese herbal medicine improves glucose profile and ameliorates oxidative stress in Goto-Kakisaki rats fed with high fat diet. PloS one, 8(4), e60262.

Hii CS, et al. (2001) Regulation of human neutrophil-mediated cartilage proteoglycan degradation by phosphatidylinositol-3-kinase. Immunology, 102(1), 59.

Li YQ, et al. (1999) Direct evidence that ERK regulates the production/secretion of interleukin-2 in PHA/PMA-stimulated T lymphocytes. Immunology, 96(4), 524.