

Resource Summary Report

Generated by SPARC SAWG on Sep 18, 2026

Bio-Formats

RRID:SCR_000450

Type: Tool

Proper Citation

Bio-Formats (RRID:SCR_000450)

Resource Information

URL: <https://www.openmicroscopy.org/site/products/bio-formats>

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Description: Standalone software Java library for reading microscopy image data files in any format and writing image data using standardized, open formats. It currently reads and converts more than 120 file formats to the OME-TIFF data standard.

Abbreviations: Bio-Formats

Synonyms: , BioFormats, Bio-Formats Library, The Bio-Formats Library

Resource Type: software application, software library, software resource, software toolkit, standalone software

Keywords: Java library, reading microscopy image data files, writing image data, standardized format, open format,

Funding: Wellcome Trust

Availability: Free, Available for download, Freely available

Resource Name: Bio-Formats

Resource ID: SCR_000450

Alternate IDs: nif-0000-30175

Alternate URLs: <http://www.force11.org/node/4810>, <http://www.loci.wisc.edu/software/bio-formats>, <https://sources.debian.org/src/libbio-formats-java/>

License: GNU GPL, commercial license from Glencoe Software

Record Creation Time: 20220129T080201+0000

Ratings and Alerts

No rating or validation information has been found for Bio-Formats.

No alerts have been found for Bio-Formats.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 61 mentions in open access literature.

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

DeCuzzi NL, et al. (2026) A Far-Red FRET biosensor for AMPK enables multiplexed imaging of single-cell bioenergetic homeostasis. bioRxiv : the preprint server for biology.

DeCuzzi NL, et al. (2025) Two novel red-FRET ERK bosensors in the 670-720 nm range. Journal of biological engineering, 19(1), 102.

Granda Farias A, et al. (2025) Phenotypic screens for SIRPA expression reveal RAB21 as a general regulator of macrophage surface identity. Cell reports, 44(7), 115921.

Müllner FE, et al. (2024) Individual thalamic inhibitory interneurons are functionally specialized toward distinct visual features. Neuron, 112(16), 2765.

Sarna NS, et al. (2024) Enhanced and sustained T cell activation in response to fluid shear stress. iScience, 27(6), 109999.

Garg N, et al. (2023) Non-muscle myosin II drives critical steps of nematocyst morphogenesis. iScience, 26(3), 106291.

Veschgini M, et al. (2023) Wnt/?-catenin signaling induces axial elasticity patterns of Hydra extracellular matrix. iScience, 26(4), 106416.

Marino KM, et al. (2023) Metabolic response of microglia to amyloid deposition during Alzheimer's disease progression in a mouse model. bioRxiv : the preprint server for biology.

Kosaisawe N, et al. (2021) Transient phases of OXPHOS inhibitor resistance reveal underlying metabolic heterogeneity in single cells. Cell metabolism, 33(3), 649.

Tan JH, et al. (2020) Alternative splicing of coq-2 controls the levels of rhodoquinone in animals. eLife, 9.

Meer AV, et al. (2020) Establishment and Characterization of a Unilateral UV-Induced Photoreceptor Degeneration Model in the C57Bl/6J Mouse. *Translational vision science & technology*, 9(9), 21.

Davies AE, et al. (2020) Systems-Level Properties of EGFR-RAS-ERK Signaling Amplify Local Signals to Generate Dynamic Gene Expression Heterogeneity. *Cell systems*, 11(2), 161.

Gillies TE, et al. (2020) Oncogenic mutant RAS signaling activity is rescaled by the ERK/MAPK pathway. *Molecular systems biology*, 16(10), e9518.

Hayes CS, et al. (2019) Ttc39c is upregulated during skeletal muscle atrophy and modulates ERK1/2 MAP kinase and hedgehog signaling. *Journal of cellular physiology*, 234(12), 23807.

Sheen MR, et al. (2019) Replication Study: Biomechanical remodeling of the microenvironment by stromal caveolin-1 favors tumor invasion and metastasis. *eLife*, 8.

Meadows JA, et al. (2018) Transcriptional Regulation of Carnitine Catabolism in *Pseudomonas aeruginosa* by CdhR. *mSphere*, 3(1).

Tennant SA, et al. (2018) Stellate Cells in the Medial Entorhinal Cortex Are Required for Spatial Learning. *Cell reports*, 22(5), 1313.

Elacqua JJ, et al. (2018) Automated analysis of cell migration and nuclear envelope rupture in confined environments. *PloS one*, 13(4), e0195664.

Harris EK, et al. (2018) Role of Sca2 and RickA in the Dissemination of *Rickettsia parkeri* in *Amblyomma maculatum*. *Infection and immunity*, 86(6).

Rouillon C, et al. (2018) Control of cyclic oligoadenylate synthesis in a type III CRISPR system. *eLife*, 7.