Resource Summary Report

Generated by NIF on Jul 31, 2026

icy

RRID:SCR_010587
Type: Tool

Proper Citation

icy (RRID:SCR_010587)

Resource Information

URL: http://icy.bioimageanalysis.org/

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Description: An open community platform for bioimage informatics providing the software resources to visualize, annotate and quantify bioimaging data. To bridge the gap between developers and users, it combines: a) an open-source image analysis software, offering a powerful and flexible environment for developers such as applied mathematicians to write algorithms fast and efficiently; b) a common set of tools to view and manipulate data, and a set of plugins to perform specific quantification or analysis on images; c) a community-based website centralizing all plugins and resources to facilitate their management and maximize their visibility towards users. Workspaces are virtual groups of plugins dedicated to a specific application or image processing domain. By downloading a workspace, ICY automatically installs all corresponding plugins. The workspaces are enabled, but the editing section is not ready yet. If you want to publish a plugin on this website, its code has to be GPL. Source code is available and provided in each application download.

Abbreviations: ICY

Synonyms: icy bioimage analysis

Resource Type: software development environment, data processing software, software repository, service resource, source code, software resource, image analysis software, software development tool, software application, image processing software

Defining Citation: PMID:22743774

Keywords: image analysis, microscopy, javascript, python, plugin, protocol, script, bio.tools

Funding: Centre National de la Recherche Scientifique ;
French National Research Agency ANR-10-INBS-04-06

Availability: Free, Open unspecified license, GNU General Public License, v3, The community can contribute to this resource

Resource Name: icy

Resource ID: SCR_010587

Alternate IDs: biotools:icy, nlx_45928

Alternate URLs: https://bio.tools/icy

Record Creation Time: 20220129T080259+0000

Record Last Update: 20260731T042836+0000

Ratings and Alerts

No rating or validation information has been found for icy.

No alerts have been found for icy.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 320 mentions in open access literature.

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

Müller TG, et al. (2026) Lenacapavir-induced capsid damage uncovers HIV-1 genomes emanating from nuclear speckles. The EMBO journal, 45(2), 449.

van Gelderen K, et al. (2025) Gibberellin transport affects lateral root growth through HY5 in response to far-red light. The Plant cell, 37(9).

Mohammadi N, et al. (2025) Sympathetic neurons can modify the intrinsic structural and functional properties of human pluripotent stem cell-derived cardiomyocytes. The Journal of physiology, 603(7), 2089.

Colombi P, et al. (2025) Protocol to measure temporal consumption and feeding choices of Drosophila adults using capillaries. STAR protocols, 6(3), 103931.

Wang H, et al. (2025) Protocol for HIV-1 budding control by inducible inhibition of ESCRT-III. STAR protocols, 6(2), 103808.

Elblová P, et al. (2025) Geometrically constrained cytoskeletal reorganisation modulates DNA nanostructures uptake. Journal of materials chemistry. B, 13(7), 2335.

Benimam MM, et al. (2025) Statistical analysis of spatial patterns in tumor microenvironment images. Nature communications, 16(1), 3090.

Joshi AS, et al. (2025) Advancing in vitro cell migration studies: a review of open-source analytical platforms for cancer and wound healing research. Cell adhesion & migration, 19(1), 2488116.

del Angel M, et al. (2025) The Serine/Threonine Kinase NDR2 Regulates Integrin Signaling, Synapse Formation, and Synaptic Plasticity in the Hippocampus. Journal of neurochemistry, 169(6), e70094.

Mauthe M, et al. (2025) A chaperone-proteasome-based fragmentation machinery is essential for aggrephagy. Nature cell biology, 27(9), 1448.

Boltje DB, et al. (2025) Thickness- and quality-controlled fabrication of fluorescence-targeted frozen-hydrated lamellae. Cell reports methods, 5(3), 101004.

Ferro E, et al. (2025) A competition network connects Rab5 and Rab11 GTPases at the surface of endocytic structures. iScience, 28(4), 112170.

Hong J, et al. (2025) The host protein cyclophilin A inhibits HIV-1 nuclear entry by decreasing capsid elasticity. bioRxiv : the preprint server for biology.

Rivagorda M, et al. (2025) A primary cilia-autophagy axis in hippocampal neurons is essential to maintain cognitive resilience. Nature aging, 5(3), 450.

Marcotti S, et al. (2025) Enhancing Research Through Image Analysis Workshops: Experiences and Best Practices. Microscopy research and technique, 88(4), 922.

Pointeau O, et al. (2025) HSP110 Regulates the Assembly of the SWI/SNF Complex. Cells, 14(11).

Müller M, et al. (2025) Human-correlated genetic models identify precision therapy for liver cancer. Nature, 639(8055), 754.

Kreysing JP, et al. (2025) Passage of the HIV capsid cracks the nuclear pore. Cell, 188(4), 930.

Mauvais FX, et al. (2025) Metallophilic marginal zone macrophages cross-prime CD8+ T cell-mediated protective immunity against blood-borne tumors. Immunity, 58(4), 843.

Le Bozec B, et al. (2025) Circadian PERIOD proteins regulate TC-DSB repair through anchoring to the nuclear envelope. Molecular cell, 85(24), 4492.