

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 8, 2026

Oufti

RRID:SCR_016244

Type: Tool

Proper Citation

Oufti (RRID:SCR_016244)

Resource Information

URL: <http://oufti.org/>

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Description: Software designed for analysis of microscopy data. It performs sub-pixel precision detection, quantification of cells and fluorescence signals, as well as other image analysis functions.

Synonyms: oufti

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

Defining Citation: [PMID:26538279](#)

Keywords: microscopy, data, imaging, image, analysis, pixel, fluorescent, bio.tools

Funding: NIGMS R01 GM065835

Resource Name: Oufti

Resource ID: SCR_016244

Alternate IDs: biotools:oufti

Alternate URLs: <https://bio.tools/oufti>

License: GNU GPL 3

Record Creation Time: 20220129T080329+0000

Record Last Update: 20260808T190315+0000

Ratings and Alerts

No rating or validation information has been found for Oufiti.

No alerts have been found for Oufiti.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Richter P, et al. (2026) Peptidoglycan recycling is critical for cell division, cell wall integrity, and β -lactam resistance in *Caulobacter crescentus*. *eLife*, 14.

Feddersen H, et al. (2026) Membrane binding controls the ATPase cycle and localization of MinD in *Bacillus subtilis*. *eLife*, 13.

Adhikashreni IS, et al. (2025) Live tracking of replisomes reveals nutrient-dependent regulation of replication elongation rates in *Caulobacter crescentus*. *Current biology : CB*, 35(8), 1816.

Xiang Y, et al. (2021) Interconnecting solvent quality, transcription, and chromosome folding in *Escherichia coli*. *Cell*, 184(14), 3626.

Vashistha H, et al. (2021) Non-genetic inheritance restraint of cell-to-cell variation. *eLife*, 10.

Jeckel H, et al. (2021) Advances and opportunities in image analysis of bacterial cells and communities. *FEMS microbiology reviews*, 45(4).

Kaljevi J, et al. (2021) Chromosome choreography during the non-binary cell cycle of a predatory bacterium. *Current biology : CB*, 31(17), 3707.

Joseph AM, et al. (2021) Coordination between nucleotide excision repair and specialized polymerase DnaE2 action enables DNA damage survival in non-replicating bacteria. *eLife*, 10.

Walker BE, et al. (2020) Transient Membrane-Linked FtsZ Assemblies Precede Z-Ring Formation in *Escherichia coli*. *Current biology : CB*, 30(3), 499.

Vink JNA, et al. (2020) Direct Visualization of Native CRISPR Target Search in Live Bacteria Reveals Cascade DNA Surveillance Mechanism. *Molecular cell*, 77(1), 39.

Mageeney CM, et al. (2020) Mycobacterium Phage Butters-Encoded Proteins Contribute to Host Defense against Viral Attack. *mSystems*, 5(5).

Kurushima J, et al. (2020) Unbiased homeologous recombination during pneumococcal transformation allows for multiple chromosomal integration events. *eLife*, 9.

Baranowski C, et al. (2018) Maturing *Mycobacterium smegmatis* peptidoglycan requires non-canonical crosslinks to maintain shape. *eLife*, 7.

Chen Y, et al. (2018) A Markovian Approach towards Bacterial Size Control and Homeostasis in Anomalous Growth Processes. *Scientific reports*, 8(1), 9612.

Humphries J, et al. (2017) Species-Independent Attraction to Biofilms through Electrical Signaling. *Cell*, 168(1-2), 200.