

Resource Summary Report

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MCMICRO

RRID:SCR_022832

Type: Tool

Proper Citation

MCMICRO (RRID:SCR_022832)

Resource Information

URL: <https://mcmicro.org>

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Description: Software tool as scalable, modular image processing pipeline for multiplexed tissue imaging. Transforms multi channel whole slide images into single cell data.

Synonyms: Multiple Choice MICROscopy, mcmicro.org

Resource Type: software resource, software toolkit

Defining Citation: [PMID:34824477](#)

Keywords: multiplexed tissue imaging, image processing pipeline, transform multi channel whole slide images into single cell data

Funding: NCI U54 CA225088;
NCI U2C CA233262;
Ludwig Cancer Center at Harvard ;
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NCI R50 CA252138;
NCI P30 CA06516;
NCI 1U01 CA224012;
NCI U2C CA233280;
NCI R01 CA223150;
NCI R01 CA226909;
NICHD R21 HD099367

Availability: Free, Available for download, Freely available

Resource Name: MCMICRO

Resource ID: SCR_022832

Alternate URLs: <https://github.com/labsyspharm/mcmicro>

License: MIT License

Record Creation Time: 20221006T194910+0000

Record Last Update: 20260818T043715+0000

Ratings and Alerts

No rating or validation information has been found for MCMICRO.

No alerts have been found for MCMICRO.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Vallius T, et al. (2025) Spatial determinants of tumor cell dedifferentiation and plasticity in primary cutaneous melanoma. bioRxiv : the preprint server for biology.

Shi Y, et al. (2025) Mechanisms of tumor persistence in metastatic melanoma following successful immunotherapy. bioRxiv : the preprint server for biology.

Williams JB, et al. (2025) Regulatory T cells inhibit CD8+ TRM-like cells during the early stages of tumor immune escape. bioRxiv : the preprint server for biology.

Hsu J, et al. (2024) Protocol for iterative indirect immunofluorescence imaging in cultured cells, tissue sections, and metaphase chromosome spreads. STAR protocols, 5(3), 103190.

Wang Q, et al. (2022) STING agonism reprograms tumor-associated macrophages and overcomes resistance to PARP inhibition in BRCA1-deficient models of breast cancer. Nature communications, 13(1), 3022.