

Resource Summary Report

Generated by [nidm-terms](#) on Jul 28, 2026

ASHLAR

RRID:SCR_016266

Type: Tool

Proper Citation

ASHLAR (RRID:SCR_016266)

Resource Information

URL: <https://github.com/sorgerlab/ashlar>

Proper Citation: ASHLAR (RRID:SCR_016266)

Description: Software for image processing of cyclic immunofluorescence data. It performs alignment by simultaneous harmonization of layer/adjacency registration.

Abbreviations: Ashlar

Synonyms: ASHLAR: Alignment by Simultaneous Harmonization of Layer/Adjacency Registration

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

Keywords: cycif, registration, software, python, cyclic, immunofluorescence, fluorescence, bio.tools

Funding: NIGMS P50 GM107618

Availability: Free, Available for download

Resource Name: ASHLAR

Resource ID: SCR_016266

Alternate IDs: biotools:ASHLAR

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

License: MIT License

Record Creation Time: 20220129T080329+0000

Record Last Update: 20260728T043514+0000

Ratings and Alerts

No rating or validation information has been found for ASHLAR.

No alerts have been found for ASHLAR.

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 [nidm-terms](#) .

Andersson A, et al. (2024) Spatial Transcriptome Mapping of the Desmoplastic Growth Pattern of Colorectal Liver Metastases by In Situ Sequencing Reveals a Biologically Relevant Zonation of the Desmoplastic Rim. Clinical cancer research : an official journal of the American Association for Cancer Research, 30(19), 4517.

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.

Gray GK, et al. (2023) Single-cell and spatial analyses reveal a tradeoff between murine mammary proliferation and lineage programs associated with endocrine cues. Cell reports, 42(10), 113293.

Du Z, et al. (2019) Qualifying antibodies for image-based immune profiling and multiplexed tissue imaging. Nature protocols, 14(10), 2900.

Lin JR, et al. (2018) Highly multiplexed immunofluorescence imaging of human tissues and tumors using t-CyCIF and conventional optical microscopes. eLife, 7.