

Resource Summary Report

Generated by SPARC SAWG 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 [SPARC SAWG](#) .

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.