Resource Summary Report

Generated by NIF on Sep 9, 2026

VAMPIRE

RRID:SCR_021721
Type: Tool

Proper Citation

VAMPIRE (RRID:SCR_021721)

Resource Information

URL: https://github.com/kukionfr/VAMPIRE_open

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Description: Software tool for analysis of cell and nuclear morphology from fluorescence or bright field images. Enables profiling and classification of cells into shape modes based on equidistant points along cell and nuclear contours. Robust method to quantify cell morphological heterogeneity.

Synonyms: Visually Aided Morpho-Phenotyping Image Recognition

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

Defining Citation: DOI:10.1038/s41596-020-00432-x

Keywords: cell morphology analysis, nuclear morphology analysis, fluorescence images, bright field images

Funding: NCI R01 CA174388;
NCI U54 CA143868;
NIA P30 AG021334;
NIA U01 AG060903

Availability: Free, Available for download, Freely available

Resource Name: VAMPIRE

Resource ID: SCR_021721

Record Creation Time: 20220129T080357+0000

Record Last Update: 20260905T132945+0000

Ratings and Alerts

No rating or validation information has been found for VAMPIRE.

No alerts have been found for VAMPIRE.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Tinguely Y, et al. (2023) Aging and injury affect nuclear shape heterogeneity in tendon. Journal of orthopaedic research : official publication of the Orthopaedic Research Society, 41(10), 2186.

Holt JR, et al. (2021) Spatiotemporal dynamics of PIEZO1 localization controls keratinocyte migration during wound healing. eLife, 10.