

Resource Summary Report

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Fluorescent Imaging Analysis Software FIMAS

RRID:SCR_018311

Type: Tool

Proper Citation

Fluorescent Imaging Analysis Software FIMAS (RRID:SCR_018311)

Resource Information

URL: <https://github.com/zhengkaiyu/FIMAS>

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Description: Software tool to perform basic and specific analysis procedures on fluorescent microscopy and fluorescent lifetime imaging microscopy data. Requires MATLAB with image processing and statistical toolboxes. Can import fluorescent data from Olympus, Biorad, Femtonics, TIFF, Excel, ASCII files.

Abbreviations: FIMAS

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

Keywords: Analysis procedure, fluorescent microscopy, fluorescent imaging, microscopy data, image processing, fluorescent data

Availability: Free, Freely available

Resource Name: Fluorescent Imaging Analysis Software FIMAS

Resource ID: SCR_018311

Record Creation Time: 20220129T080339+0000

Record Last Update: 20260731T043021+0000

Ratings and Alerts

No rating or validation information has been found for Fluorescent Imaging Analysis Software FIMAS.

No alerts have been found for Fluorescent Imaging Analysis Software FIMAS.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Tyurikova O, et al. (2025) Astrocyte Kir4.1 expression level territorially controls excitatory transmission in the brain. Cell reports, 44(2), 115299.

Magloire V, et al. (2023) Volume-transmitted GABA waves pace epileptiform rhythms in the hippocampal network. Current biology : CB, 33(7), 1249.

Tyurikova O, et al. (2021) Fluorescence lifetime imaging reveals regulation of presynaptic Ca²⁺ by glutamate uptake and mGluRs, but not somatic voltage in cortical neurons. Journal of neurochemistry, 156(1), 48.