Resource Summary Report

Generated by Kravitz on Sep 10, 2026

GDSC Single Molecule Localisation Microscopy

RRID:SCR_022717
Type: Tool

Proper Citation

GDSC Single Molecule Localisation Microscopy (RRID:SCR_022717)

Resource Information

URL: https://gdsc-smlm.readthedocs.io/

Proper Citation: GDSC Single Molecule Localisation Microscopy (RRID:SCR_022717)

Description: Open source Java based software designed for single molecule localisation microscopy. Software can be used as stand alone library or as plugins for ImageJ image processing software.

Abbreviations: GDSC SMLM

Synonyms: GDSC SMLM ImageJ Plugins

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

Keywords: Single molecule localisation microscopy, super resolution microscopy,

Availability: Free, Available for download, Freely available

Resource Name: GDSC Single Molecule Localisation Microscopy

Resource ID: SCR_022717

Alternate URLs: https://github.com/aherbert/gdsc-smlm/, http://www.sussex.ac.uk/gdsc/intranet/microscopy/UserSupport/AnalysisProtocol/imagej/smlm_plugi

License: GNU General Public License v3.0

Record Creation Time: 20220901T050155+0000

Record Last Update: 20260905T133100+0000

Ratings and Alerts

No rating or validation information has been found for GDSC Single Molecule Localisation Microscopy.

No alerts have been found for GDSC Single Molecule Localisation Microscopy.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Koulle A, et al. (2026) The chromatin remodeller CHD4 regulates transcription factor binding to both prevent activation of silent enhancers and maintain active regulatory elements. eLife, 14.

Fu B, et al. (2024) RASP: Optimal Single Puncta Detection in Complex Cellular Backgrounds. The journal of physical chemistry. B, 128(15), 3585.

Ye T, et al. (2023) Microsatellite instability states serve as predictive biomarkers for tumors chemotherapy sensitivity. iScience, 26(7), 107045.

Etheridge TJ, et al. (2022) GDSC SMLM: Single-molecule localisation microscopy software for ImageJ. Wellcome open research, 7, 241.