

Resource Summary Report

Generated by [RRID](#) on Aug 12, 2026

ZetaStitcher

RRID:SCR_026193

Type: Tool

Proper Citation

ZetaStitcher (RRID:SCR_026193)

Resource Information

URL: <https://github.com/lens-biophotonics/ZetaStitcher>

Proper Citation: ZetaStitcher (RRID:SCR_026193)

Description: Software tool designed to stitch large volumetric images such as those produced by Light-Sheet Fluorescence Microscopes.

Resource Type: source code, software resource

Keywords: Light-Sheet Fluorescence Microscopes, Light-Sheet Fluorescence Microscopes images, stitch large volumetric images,

Funding: European Union Horizon 2020 Framework Programme for Research and Innovation

Availability: Free, Available for download, Freely available

Resource Name: ZetaStitcher

Resource ID: SCR_026193

License: GNU GPL v3.0

Record Creation Time: 20241218T053316+0000

Record Last Update: 20260810T040923+0000

Ratings and Alerts

No rating or validation information has been found for ZetaStitcher.

No alerts have been found for ZetaStitcher.

Data and Source Information

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Guarnieri G, et al. (2026) Testosterone protects from metabolic syndrome-associated lung dysfunction in a high-fat diet rabbit model. *Endocrinology*, 167(6).

Garella R, et al. (2025) Illuminating Satellite Cells: Light Sheet Fluorescence Microscopy for 3D Imaging of Murine Skeletal Muscles Damaged by Ex??Vivo Forced Eccentric Contraction. *Microscopy research and technique*, 88(12), 3339.

Sorelli M, et al. (2025) Myelinated fiber labeling and orientation mapping of the human brain with light-sheet fluorescence microscopy. *NeuroImage*, 323, 121581.

Susaki EA, et al. (2025) Unlocking the potential of large-scale 3D imaging with tissue clearing techniques. *Microscopy (Oxford, England)*, 74(3), 179.

Di Meo D, et al. (2025) Quantitative cytoarchitectural phenotyping of deparaffinized human brain tissues. *Communications biology*, 8(1), 1527.

Checucci C, et al. (2024) Deep learning-based localization algorithms on fluorescence human brain 3D reconstruction: a comparative study using stereology as a reference. *Scientific reports*, 14(1), 14629.

Laurino A, et al. (2023) A Guide to Perform 3D Histology of Biological Tissues with Fluorescence Microscopy. *International journal of molecular sciences*, 24(7).

Costantini I, et al. (2023) A cellular resolution atlas of Broca's area. *Science advances*, 9(41), eadg3844.

Sorelli M, et al. (2023) Fiber enhancement and 3D orientation analysis in label-free two-photon fluorescence microscopy. *Scientific reports*, 13(1), 4160.

Pernet V, et al. (2023) Nogo-A antibody delivery through the olfactory mucosa mitigates experimental autoimmune encephalomyelitis in the mouse CNS. *Cell death discovery*, 9(1), 290.

Olianti C, et al. (2020) 3D imaging and morphometry of the heart capillary system in spontaneously hypertensive rats and normotensive controls. *Scientific reports*, 10(1), 14276.

Di Giovanna AP, et al. (2019) Tailored Sample Mounting for Light-Sheet Fluorescence Microscopy of Clarified Specimens by Polydimethylsiloxane Casting. *Frontiers in neuroanatomy*, 13, 35.