

Resource Summary Report

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Zeiss: LSM 510 Confocal Microscope

RRID:SCR_018062

Type: Tool

Proper Citation

Zeiss: LSM 510 Confocal Microscope (RRID:SCR_018062)

Resource Information

URL: <https://www.biocompare.com/Product-Reviews/41153-LSM-510-META-From-Zeiss/>

Proper Citation: Zeiss: LSM 510 Confocal Microscope (RRID:SCR_018062)

Description: Versatile laser scanning confocal microscope system that is available in both upright or inverted format. Equipped with ICS-Optics. Selection of dry, water immersion and oil immersion objectives are available. ICS-Optics are infinity color corrected.

Synonyms: Zeiss LSM-510 META NLO Laser Scanning Confocal Microscope with multiphoton capability

Resource Type: instrument resource

Keywords: ABRF, Confocal Laser Scanning Microscope, Zeiss, instrument, equipment

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/main/PDF/SCR_018062.pdf

Resource Name: Zeiss: LSM 510 Confocal Microscope

Resource ID: SCR_018062

Alternate IDs: Model_Number_LSM 510

Alternate URLs:

https://www.bio.umass.edu/microscopy/Guided_Tour_for_LSM_510_and_META.pdf

Record Creation Time: 20220129T080338+0000

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Ratings and Alerts

No rating or validation information has been found for Zeiss: LSM 510 Confocal Microscope.

No alerts have been found for Zeiss: LSM 510 Confocal Microscope.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Drouillard D, et al. (2026) Mutant KRAS promotes NF- κ B driven CCL20 chemokine expression in pancreatic ductal adenocarcinoma. bioRxiv : the preprint server for biology.

Ning G, et al. (2025) BCAS2 promotes primitive hematopoiesis by sequestering β -catenin within the nucleus. eLife, 13.

Nakada Y, et al. (2025) ASCL1 protein domains with distinct functions in neuronal differentiation and subtype specification. Developmental biology, 523, 32.

Hu C, et al. (2023) PPP1R3A inhibits osteogenesis and negatively regulates intracellular calcium levels in calcific tendinopathy. iScience, 26(10), 107784.

Gargiulo E, et al. (2023) Extracellular Vesicle Secretion by Leukemia Cells In Vivo Promotes CLL Progression by Hampering Antitumor T-cell Responses. Blood cancer discovery, 4(1), 54.

Göttle P, et al. (2023) Teriflunomide as a therapeutic means for myelin repair. Journal of neuroinflammation, 20(1), 7.

Li C, et al. (2022) Matrine counteracts obesity in mice via inducing adipose thermogenesis by activating HSF1/PGC-1 α axis. Pharmacological research, 177, 106136.

Rao Y, et al. (2022) A novel HSF1 activator ameliorates non-alcoholic steatohepatitis by stimulating mitochondrial adaptive oxidation. British journal of pharmacology, 179(7), 1411.

Chen L, et al. (2022) β 1 -Adrenoceptors activate the NLRP3 inflammasome through downregulation of Kir2.1 in cardiac inflammation. Experimental physiology, 107(6), 589.

Imbernon M, et al. (2022) Tanycytes control hypothalamic liraglutide uptake and its anti-obesity actions. Cell metabolism, 34(7), 1054.

Ciummo SL, et al. (2021) The C-X-C Motif Chemokine Ligand 1 Sustains Breast Cancer Stem Cell Self-Renewal and Promotes Tumor Progression and Immune Escape Programs. Frontiers in cell and developmental biology, 9, 689286.