

Resource Summary Report

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Zeiss LSM 800 with Airyscan Microscope

RRID:SCR_015963

Type: Tool

Proper Citation

Zeiss LSM 800 with Airyscan Microscope (RRID:SCR_015963)

Resource Information

URL: <https://engineering.unl.edu/nercf/zeiss-lsm-800-airyscan/>

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Description: Compact confocal microscope with highly sensitive GaAsP detection and fast linear scanning. The airyscan system allows capture images with high sensitivity and superresolution compared with conventional confocal microscope.

Resource Type: instrument resource

Keywords: microscope, confocal, instrument, equipment, hardware

Funding:

Resource Name: Zeiss LSM 800 with Airyscan Microscope

Resource ID: SCR_015963

Alternate IDs: Model_Number_LSM 800

Old URLs: <https://www.zeiss.com/microscopy/int/products/confocal-microscopes/lsm-800-with-airyscan.html>

Record Creation Time: 20220129T080328+0000

Record Last Update: 20250410T070724+0000

Ratings and Alerts

No rating or validation information has been found for Zeiss LSM 800 with Airyscan

Microscope.

No alerts have been found for Zeiss LSM 800 with Airyscan Microscope.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 400 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Yang ZZ, et al. (2025) DCAF13-mediated K63-linked ubiquitination of RNA polymerase I promotes uncontrolled proliferation in Breast Cancer. Nature communications, 16(1), 557.

Xu SB, et al. (2025) KPNA3 regulates histone locus body formation by modulating condensation and nuclear import of NPAT. The Journal of cell biology, 224(1).

Janowitz HN, et al. (2024) Chronic Treatment with Serotonin Selective Reuptake Inhibitors Does Not Affect Regrowth of Serotonin Axons Following Amphetamine Injury in the Mouse Forebrain. eNeuro, 11(2).

Fieni C, et al. (2024) Prevention of prostate cancer metastasis by a CRISPR-delivering nanoplatform for interleukin-30 genome editing. Molecular therapy : the journal of the American Society of Gene Therapy, 32(11), 3932.

Smith CC, et al. (2024) Kv2 channels do not function as canonical delayed rectifiers in spinal motoneurons. iScience, 27(8), 110444.

Oliva S, et al. (2023) Anti-TLR4 biological response to titanium nitride-coated dental implants: anti-inflammatory response and extracellular matrix synthesis. Frontiers in bioengineering and biotechnology, 11, 1266799.

Zhang S, et al. (2023) LncRNA INPP5F ameliorates stress-induced hypertension via the miR-335/Ctn axis in rostral ventrolateral medulla. CNS neuroscience & therapeutics, 29(7), 1830.

Ishii K, et al. (2023) Reelin regulates the migration of late-born hippocampal CA1 neurons via cofilin phosphorylation. Molecular and cellular neurosciences, 124, 103794.

Ciummo SL, et al. (2023) Interleukin-30 subverts prostate cancer-endothelium crosstalk by fostering angiogenesis and activating immunoregulatory and oncogenic signaling pathways. Journal of experimental & clinical cancer research : CR, 42(1), 336.

Marmor-Kollet N, et al. (2023) Actin-dependent astrocytic infiltration is a key step for axon defasciculation during remodeling. *Cell reports*, 42(2), 112117.

Duan W, et al. (2023) A Visual Pathway into Central Complex for High-Frequency Motion-Defined Bars in *Drosophila*. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(26), 4821.

Whittaker DS, et al. (2023) Circadian modulation by time-restricted feeding rescues brain pathology and improves memory in mouse models of Alzheimer's disease. *Cell metabolism*, 35(10), 1704.

Li Y, et al. (2023) PINK1-Mediated Mitophagy Promotes Oxidative Phosphorylation and Redox Homeostasis to Induce Drug-Tolerant Persister Cancer Cells. *Cancer research*, 83(3), 398.

Kissane RWP, et al. (2022) Heterogeneity in form and function of the rat extensor digitorum longus motor unit. *Journal of anatomy*, 240(4), 700.

Saul J, et al. (2022) The transcriptional corepressor CTBP-1 acts with the SOX family transcription factor EGL-13 to maintain AIA interneuron cell identity in *Caenorhabditis elegans*. *eLife*, 11.

Kissane RWP, et al. (2022) C-bouton components on rat extensor digitorum longus motoneurons are resistant to chronic functional overload. *Journal of anatomy*, 241(5), 1157.

Alexandris AS, et al. (2022) Long-Term Changes in Axon Calibers after Injury: Observations on the Mouse Corticospinal Tract. *International journal of molecular sciences*, 23(13).

Botta S, et al. (2022) Dual antibody strategy for high-resolution imaging of murine Purkinje cells and their dendrites across multiple layers. *STAR protocols*, 3(2), 101427.

Nishijima H, et al. (2022) Rapid fluorescent vital imaging of olfactory epithelium. *iScience*, 25(5), 104222.

Riding AM, et al. (2022) Group 3 innate lymphocytes make a distinct contribution to type 17 immunity in bladder defence. *iScience*, 25(7), 104660.