

Resource Summary Report

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arivis Vision4D

RRID:SCR_018000

Type: Tool

Proper Citation

arivis Vision4D (RRID:SCR_018000)

Resource Information

URL: <https://www.arivis.com/en/imaging-science/arivis-vision4d>

Proper Citation: arivis Vision4D (RRID:SCR_018000)

Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on March 20,2024. Modular software for working with multi-channel 2D, 3D and 4D images from high speed confocal, Light Sheet/ SPIM and 2 Photon systems., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Synonyms: arivis Vision4D 3.1.3

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

Keywords: Modular, multi channel, 2D, 3D, 4D, image, high speed confocal system, Light sheet, SPIM, 2 photon system, Arivis

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: arivis Vision4D

Resource ID: SCR_018000

Record Creation Time: 20220129T080338+0000

Record Last Update: 20260814T043009+0000

Ratings and Alerts

No rating or validation information has been found for arivis Vision4D.

No alerts have been found for arivis Vision4D.

Data and Source Information

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Pfeil U, et al. (2026) Preparation of cleared whole-mount urethra and urinary bladder from transcardially perfused mice for immunolabeling and analysis by CLSM. STAR protocols, 7(2), 104542.

Zhou S, et al. (2026) Vascular normalization by erianin unleashes CAR-T immunotherapy in glioblastoma. Angiogenesis, 29(2), 18.

Zhang H, et al. (2025) CCAAT/Enhancer-Binding Proteins ? and ? Regulate Ovulation and Gene Expression via Dose- and Stage-Dependent Mechanisms. Endocrinology, 166(7).

Saykali B, et al. (2025) Protocol for imaging and quantifying single-cell CDK activity levels during early mouse embryonic development by time-lapse microscopy. STAR protocols, 6(3), 104065.

Rose K, et al. (2025) In situ cryo-ET visualization of mitochondrial depolarization and mitophagic engulfment. Proceedings of the National Academy of Sciences of the United States of America, 122(31), e2511890122.

Saykali B, et al. (2025) Lineage-specific CDK activity dynamics characterize early mammalian development. Cell reports, 44(4), 115558.

Schmidt P, et al. (2025) Tuft cells trigger neurogenic inflammation in the urethra. Cell reports, 44(10), 116370.

Randriamanantsoa SJ, et al. (2024) Coexisting mechanisms of luminogenesis in pancreatic cancer-derived organoids. iScience, 27(7), 110299.

Bhat GP, et al. (2024) Structured wound angiogenesis instructs mesenchymal barrier compartments in the regenerating nerve. Neuron, 112(2), 209.

Medrano M, et al. (2023) Neuroanatomical characterization of the Nmu-Cre knock-in mice reveals an interconnected network of unique neuropeptidergic cells. Open biology, 13(6), 220353.

Wolczyk M, et al. (2023) TIAR and FMRP shape pro-survival nascent proteome of leukemia cells in the bone marrow microenvironment. iScience, 26(4), 106543.

Hsu CW, et al. (2022) EZ Clear for simple, rapid, and robust mouse whole organ clearing. eLife, 11.

Gadomski S, et al. (2022) A cholinergic neuroskeletal interface promotes bone formation during postnatal growth and exercise. Cell stem cell, 29(4), 528.

Radomski KL, et al. (2022) Acute axon damage and demyelination are mitigated by 4-aminopyridine (4-AP) therapy after experimental traumatic brain injury. *Acta neuropathologica communications*, 10(1), 67.

Mahmud N, et al. (2022) Nail-associated mesenchymal cells contribute to and are essential for dorsal digit tip regeneration. *Cell reports*, 41(12), 111853.

Jiao W, et al. (2022) Intact *Drosophila* central nervous system cellular quantitation reveals sexual dimorphism. *eLife*, 11.

Martins LF, et al. (2022) Motor neurons use push-pull signals to direct vascular remodeling critical for their connectivity. *Neuron*, 110(24), 4090.

Lowenstein ED, et al. (2021) Olig3 regulates early cerebellar development. *eLife*, 10.

Price CJ, et al. (2021) Genetically variant human pluripotent stem cells selectively eliminate wild-type counterparts through YAP-mediated cell competition. *Developmental cell*, 56(17), 2455.

Bradshaw DV, et al. (2021) Repetitive Blast Exposure Produces White Matter Axon Damage without Subsequent Myelin Remodeling: In Vivo Analysis of Brain Injury Using Fluorescent Reporter Mice. *Neurotrauma reports*, 2(1), 180.