

Resource Summary Report

Generated by [dkNET](#) on Jul 30, 2026

[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: software application, image analysis software, software resource, data processing software

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: 20260728T043548+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 21 mentions in open access literature.

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

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

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

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.

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

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

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.

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.

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.

Glasauer SMK, et al. (2021) DNA template strand segregation in developing zebrafish. *Cell chemical biology*, 28(11), 1638.

Fabig G, et al. (2020) Male meiotic spindle features that efficiently segregate paired and lagging chromosomes. *eLife*, 9.