

Resource Summary Report

Generated by RRID on Aug 6, 2026

Advanced 3D Visualization and Volume Modeling

RRID:SCR_007353

Type: Tool

Proper Citation

Advanced 3D Visualization and Volume Modeling (RRID:SCR_007353)

Resource Information

URL: <http://www.fei.com/software/amira-3d-for-life-sciences/>

Proper Citation: Advanced 3D Visualization and Volume Modeling (RRID:SCR_007353)

Description: Software tool for visualizing, manipulating, and understanding data from tomography, microscopy, MRI and other imaging processes.Used to import and export options, to processes 3D image filtering and DTI based fiber tracking to visualization, volume and surface rendering, author tools for virtual reality navigation, video generation, and more.

Synonyms: Amira, Amira 3D Software for Life Sciences, Amira 3D analysis

Resource Type: data processing software, 3d visualization software, software application, data visualization software, data analysis software, software resource

Keywords: 3d, data, visualization, tomography, imaging, process, MRI, microscopy, video

Availability: Commercially available

Resource Name: Advanced 3D Visualization and Volume Modeling

Resource ID: SCR_007353

Alternate IDs: nif-0000-00262, SCR_014305

Old URLs: <http://www.amiravis.com>

Record Creation Time: 20220129T080241+0000

Record Last Update: 20260806T054440+0000

Ratings and Alerts

No rating or validation information has been found for Advanced 3D Visualization and Volume Modeling.

No alerts have been found for Advanced 3D Visualization and Volume Modeling.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1629 mentions in open access literature.

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

Herget U, et al. (2026) Pth4 neurons define a novel hypothalamic circuit that promotes sleep via brainstem monoaminergic neurons. *Current biology : CB*, 36(1), 161.

Müller TG, et al. (2026) Lenacapavir-induced capsid damage uncovers HIV-1 genomes emanating from nuclear speckles. *The EMBO journal*, 45(2), 449.

Streets A, et al. (2025) Neural Repertoire Behind the World's Most Complex Retina: Neuroanatomy of the Stomatopod Lamina. *The Journal of comparative neurology*, 533(6), e70063.

Lucas MS, et al. (2025) Correlative volume microscopy of virus-containing amphisomes enabled by fluorescence-guided focused ion beam-scanning electron microscopy. *STAR protocols*, 6(3), 104020.

Salvador-Mira M, et al. (2025) Viral vaccines promote endoplasmic reticulum stress-induced unfolding protein response in teleost erythrocytes. *European journal of cell biology*, 104(2), 151490.

Mohan HM, et al. (2025) Endogenous retrovirus-like proteins recruit UBQLN2 to stress granules and shape their functional biology. *Science advances*, 11(29), eadu6354.

Yamashita SI, et al. (2025) The mitophagy receptors BNIP3 and NIX mediate tight attachment and expansion of the isolation membrane to mitochondria. *The Journal of cell biology*, 224(7).

Kraft R, et al. (2025) Structure and function of the ovipositor of the encyrtid wasp *Microterys flavus*. *Frontiers in zoology*, 22(1), 24.

Voris JT, et al. (2025) Ontogenetic Changes in Endocranial Anatomy in *Gorgosaurus libratus* (Theropoda: Tyrannosauridae) Provide Insight Into the Evolution of the Tyrannosauroid Endocranium. *The Journal of comparative neurology*, 533(5), e70056.

Zhao XT, et al. (2025) The Myo2 adaptor Ldm1 and its receptor Ldo16 mediate actin-dependent lipid droplet motility. *Cell reports*, 44(11), 116475.

Tolve M, et al. (2025) The endocytic adaptor AP-2 maintains Purkinje cell function by balancing cerebellar parallel and climbing fiber synapses. *Cell reports*, 44(2), 115256.

Yamamoto Y, et al. (2025) Interrelationship Between Intraepithelial Nerve Endings and Epithelial Cells in the Rat Epiglottis Revealed by Array Tomography With Scanning Electron Microscopy. *The Journal of comparative neurology*, 533(8), e70085.

O'Hern C, et al. (2025) Human heart-macrophage assembloids mimic immune-cardiac interactions and enable arrhythmia disease modeling. *Cell stem cell*, 32(11), 1671.

Kreysing JP, et al. (2025) Passage of the HIV capsid cracks the nuclear pore. *Cell*, 188(4), 930.

Ding WQ, et al. (2025) Single-neuron projectome reveals organization of somatosensory ascending pathways in the mouse brain. *Neuron*, 113(13), 2083.

Glausier JR, et al. (2025) Volume electron microscopy reveals 3D synaptic nanoarchitecture in postmortem human prefrontal cortex. *iScience*, 28(7), 112747.

Penna-Gonçalves V, et al. (2025) Volumetric Comparison of Overall Brain and Neuropil Size Between Social and Non-social Spiders: Exploring the Social Brain Hypothesis. *Integrative zoology*.

Zhong S, et al. (2025) Ultrabright chemical labeling enables rapid neural connectivity profiling in large tissue samples. *Neuron*.

Lin JK, et al. (2025) Transcriptomic and spatial organization of mouse spinal cord projection neurons. *Cell reports*, 45(1), 116717.

Furukawa S, et al. (2024) Allometry in limb regeneration and scale-invariant patterning as the basis of normal morphogenesis from different sizes of blastemas. *Development (Cambridge, England)*, 151(21).