

Resource Summary Report

Generated by PRECISE-TBI on Sep 9, 2026

Volume Integration and Alignment System

RRID:SCR_013800

Type: Tool

Proper Citation

Volume Integration and Alignment System (RRID:SCR_013800)

Resource Information

URL: <http://research.mssm.edu/cnic/tools-vias.html>

Proper Citation: Volume Integration and Alignment System (RRID:SCR_013800)

Description: A software application designed to allow multiple stacks of tiled optical sections obtained from Laser Scanning Microscopy to be integrated into a single volumetric dataset. VIAS allows the user to select the individual image stacks from disk and to adjust their relative position on the screen interactively. By using a global 3D coordinate system, users can manipulate stacks and execute the integration of the data after all the stacks of images have been correctly positioned. VIAS was designed with large datasets in mind. The current version of VIAS is Version 2.4, last updated on January 26, 2009.

Abbreviations: VIAS

Resource Type: software resource

Keywords: software application, laser scanning microscopy, volumetric dataset, interactive, 3D coordinate system

Availability: Free, Public

Resource Name: Volume Integration and Alignment System

Resource ID: SCR_013800

Record Creation Time: 20220129T080318+0000

Record Last Update: 20260905T132740+0000

Ratings and Alerts

No rating or validation information has been found for Volume Integration and Alignment System.

No alerts have been found for Volume Integration and Alignment System.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Conze C, et al. (2022) Caspase-cleaved tau is senescence-associated and induces a toxic gain of function by putting a brake on axonal transport. Molecular psychiatry, 27(7), 3010.

Nowzari F, et al. (2021) Three-Dimensional Imaging in Stem Cell-Based Researches. Frontiers in veterinary science, 8, 657525.

Baimel C, et al. (2019) The Projection Targets of Medium Spiny Neurons Govern Cocaine-Evoked Synaptic Plasticity in the Nucleus Accumbens. Cell reports, 28(9), 2256.