

Resource Summary Report

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AutoQuant

RRID:SCR_002465

Type: Tool

Proper Citation

AutoQuant (RRID:SCR_002465)

Resource Information

URL: <http://www.mediacy.com/index.aspx?page=AutoQuant>

Proper Citation: AutoQuant (RRID:SCR_002465)

Description: Software package of 2D and 3D restoration algorithms. Advanced image deconvolution and 3D visualization software for Life Science Researchers.

Abbreviations: AutoQuant

Synonyms: AutoQuant X3

Resource Type: software toolkit, software resource

Keywords: deconvolution, 3d visualization, 3d, 2d, visualization

Funding:

Availability: Commercially available

Resource Name: AutoQuant

Resource ID: SCR_002465

Alternate IDs: SciRes_000125

Record Creation Time: 20220129T080213+0000

Record Last Update: 20250331T060206+0000

Ratings and Alerts

No rating or validation information has been found for AutoQuant.

No alerts have been found for AutoQuant.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 411 mentions in open access literature.

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

Zhai S, et al. (2025) State-dependent modulation of spiny projection neurons controls levodopa-induced dyskinesia in a mouse model of Parkinson's disease. *bioRxiv : the preprint server for biology*.

Schoonover KE, et al. (2024) Scaling of smaller pyramidal neuron size and lower energy production in schizophrenia. *Neurobiology of disease*, 191, 106394.

Aydar S, et al. (2024) Diagnostic accuracy of artificial intelligence-enabled vectorcardiography versus myocardial perfusion SPECT in patients with suspected or known coronary heart disease. *Nuklearmedizin. Nuclear medicine*, 63(3), 213.

Buck SA, et al. (2024) Aging disrupts the coordination between mRNA and protein expression in mouse and human midbrain. *bioRxiv : the preprint server for biology*.

Castro-Mendoza PB, et al. (2024) Proteomic features of gray matter layers and superficial white matter of the rhesus monkey neocortex: comparison of prefrontal area 46 and occipital area 17. *Brain structure & function*, 229(7), 1495.

Zakutansky PM, et al. (2024) Isoform balance of the long noncoding RNA NEAT1 is regulated by the RNA-binding protein QKI, governs the glioma transcriptome, and impacts cell migration. *The Journal of biological chemistry*, 300(8), 107595.

Kanippayoor RL, et al. (2024) Identification and genetic analysis of a pervasive 'needle-eye' sperm phenotype in *Drosophila* sterile hybrid males. *Proceedings. Biological sciences*, 291(2025), 20240483.

Ying Y, et al. (2024) Roles of RNA scaffolding in nanoscale Gag multimerization and selective protein sorting at HIV membranes. *Science advances*, 10(8), eadk8297.

Yang EJ, et al. (2024) The role of the Toll like receptor 4 signaling in sex-specific persistency of depression-like behavior in response to chronic stress. *Brain, behavior, and immunity*, 115, 169.

Thome C, et al. (2024) Live imaging of excitable axonal microdomains in ankyrin-G-GFP mice. *bioRxiv : the preprint server for biology*.

Walters BN, et al. (2024) Longitudinal imaging of the taste bud in vivo with two-photon laser scanning microscopy. *PLoS one*, 19(12), e0309366.

Sun Y, et al. (2024) Chloroplast biogenesis involves spatial coordination of nuclear and organellar gene expression in *Chlamydomonas*. *Plant physiology*, 196(1), 112.

Whitaker EE, et al. (2024) Expression of MHC II in DRG neurons attenuates paclitaxel-induced cold hypersensitivity in male and female mice. *PLoS one*, 19(2), e0298396.

Franklin JP, et al. (2024) Investigating cocaine- and abstinence-induced effects on astrocyte gene expression in the nucleus accumbens. *bioRxiv : the preprint server for biology*.

Hutchison V, et al. (2024) Inducible tricolor reporter mouse for parallel imaging of lysosomes, mitochondria, and microtubules. *The Journal of cell biology*, 223(1).

Brenet A, et al. (2024) Microglia Mitigate Neuronal Activation in a Zebrafish Model of Dravet Syndrome. *Cells*, 13(8).

Prusén Mota I, et al. (2024) Sororin is an evolutionary conserved antagonist of WAPL. *Nature communications*, 15(1), 4729.

Casler JC, et al. (2024) Mitochondria-ER-PM contacts regulate mitochondrial division and PI(4)P distribution. *The Journal of cell biology*, 223(9).

Schmalstig AA, et al. (2024) Bacteriophage infection and killing of intracellular *Mycobacterium abscessus*. *mBio*, 15(1), e0292423.

Farber G, et al. (2024) Direct conversion of cardiac fibroblasts into endothelial-like cells using Sox17 and Erg. *Nature communications*, 15(1), 4170.