

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on May 3, 2024

## BioVoxel Toolbox

RRID:SCR\_015825

Type: Tool

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### Proper Citation

BioVoxel Toolbox (RRID:SCR\_015825)

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### Resource Information

**URL:** <http://www.biovoxel.de/>

**Proper Citation:** BioVoxel Toolbox (RRID:SCR\_015825)

**Description:** Software toolkit for analyzing tool for microscopic images. It contains plugins and some macros dealing with image filtering, image segmentation and binary image processing and analysis.

**Synonyms:** BioVoxel, BioVoxel Toolbox (ImageJ/Fiji)

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

**Keywords:** microscopic image analysis, image filtering, image segmentation, binary processing, binary analysis, particle analysis

**Availability:** Free, Available for download

**Resource Name:** BioVoxel Toolbox

**Resource ID:** SCR\_015825

**Alternate URLs:** [https://imagej.net/BioVoxel\\_Toolbox](https://imagej.net/BioVoxel_Toolbox),  
[https://github.com/biovoxel/BioVoxel\\_Toolbox](https://github.com/biovoxel/BioVoxel_Toolbox)

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### Ratings and Alerts

No rating or validation information has been found for BioVoxel Toolbox.

No alerts have been found for BioVoxxel Toolbox.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Roozbahani GM, et al. (2024) Piggybacking functionalized DNA nanostructures into live cell nuclei. bioRxiv : the preprint server for biology.

Stansak KL, et al. (2024) PCP Auto Count: A Novel Fiji/ImageJ plug-in for automated quantification of planar cell polarity and cell counting. bioRxiv : the preprint server for biology.

De Giorgio E, et al. (2023) A dynamic interplay between chitin synthase and the proteins Expansion/Rebuf reveals that chitin polymerisation and translocation are uncoupled in Drosophila. PLoS biology, 21(1), e3001978.

Nieto-Rostro M, et al. (2023) Nerve injury increases native Ca V 2.2 trafficking in dorsal root ganglion mechanoreceptors. Pain, 164(6), 1264.

Göttle P, et al. (2023) Teriflunomide as a therapeutic means for myelin repair. Journal of neuroinflammation, 20(1), 7.

Truong DJ, et al. (2022) Intron-encoded cistronic transcripts for minimally invasive monitoring of coding and non-coding RNAs. Nature cell biology, 24(11), 1666.

LaChance J, et al. (2022) Learning the rules of collective cell migration using deep attention networks. PLoS computational biology, 18(4), e1009293.

Bakina O, et al. (2022) Microglia form satellites with different neuronal subtypes in the adult murine central nervous system. Journal of neuroscience research, 100(4), 1105.

Gould NL, et al. (2021) Somatostatin Interneurons of the Insula Mediate QR2-Dependent Novel Taste Memory Enhancement. eNeuro, 8(5).

Kim AA, et al. (2021) Wafer-Scale Patterning of Protein Templates for Hydrogel Fabrication. Micromachines, 12(11).

Horder H, et al. (2021) Bioprinting and Differentiation of Adipose-Derived Stromal Cell Spheroids for a 3D Breast Cancer-Adipose Tissue Model. Cells, 10(4).

Manousi A, et al. (2021) Identification of novel myelin repair drugs by modulation of

oligodendroglial differentiation competence. *EBioMedicine*, 65, 103276.

Iemura K, et al. (2021) Chromosome oscillation promotes Aurora A-dependent Hec1 phosphorylation and mitotic fidelity. *The Journal of cell biology*, 220(7).

Hosseini S, et al. (2020) Type I Interferon Receptor Signaling in Astrocytes Regulates Hippocampal Synaptic Plasticity and Cognitive Function of the Healthy CNS. *Cell reports*, 31(7), 107666.

Nikitaki Z, et al. (2020) In Situ Detection of Complex DNA Damage Using Microscopy: A Rough Road Ahead. *Cancers*, 12(11).

Lechermeier CG, et al. (2020) Distribution of transcripts of the GFOD gene family members *gfod1* and *gfod2* in the zebrafish central nervous system. *Gene expression patterns : GEP*, 36, 119111.

Simchovitz A, et al. (2019) NEAT1 is overexpressed in Parkinson's disease substantia nigra and confers drug-inducible neuroprotection from oxidative stress. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 33(10), 11223.

Tadi? V, et al. (2019) Investigation of mitochondrial calcium uniporter role in embryonic and adult motor neurons from G93AhSOD1 mice. *Neurobiology of aging*, 75, 209.

Hosseini S, et al. (2018) Long-Term Neuroinflammation Induced by Influenza A Virus Infection and the Impact on Hippocampal Neuron Morphology and Function. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(12), 3060.

Tadi? V, et al. (2017) Sigma 1 receptor activation modifies intracellular calcium exchange in the G93AhSOD1 ALS model. *Neuroscience*, 359, 105.