

Resource Summary Report

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QuPath

RRID:SCR_018257

Type: Tool

Proper Citation

QuPath (RRID:SCR_018257)

Resource Information

URL: <https://qupath.github.io/>

Proper Citation: QuPath (RRID:SCR_018257)

Description: Open Source software package for digital pathology image analysis. Used for whole slide image analysis and digital pathology. Provides researchers with batch processing and scripting functionality, and extensible platform with which to develop and share new algorithms to analyze complex tissue images.

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

Defining Citation: [PMID:29203879](#)

Keywords: Digital pathology, image analysis, whole slide image, batch processing, tissue image, bio.tools

Funding: Invest Northern Ireland ;
Experimental Cancer Medicine Centre Network ;
Sean Crummey Memorial Fund ;
Tom Simms Memorial Fund ;
Friends of the Cancer Centre ;
Cancer Research UK Accelerator

Availability: Free, Available for download, Freely available

Resource Name: QuPath

Resource ID: SCR_018257

Alternate IDs: biotools:qupath

Alternate URLs: <https://bio.tools/qupath>

License: GPLv3

Record Creation Time: 20220129T080339+0000

Record Last Update: 20260801T190837+0000

Ratings and Alerts

No rating or validation information has been found for QuPath.

No alerts have been found for QuPath.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1590 mentions in open access literature.

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

Svensson M, et al. (2026) Systemic and local decorin levels mirror the clinical course of pancreatic cancer. The journal of pathology. Clinical research, 12(1), e70066.

Lasse Opsahl EL, et al. (2026) Fibroblast STAT3 Activation Drives Organ-Specific Premetastatic Niche Formation. Cancer research, 86(1), 22.

Chiang YC, et al. (2026) Multi-Omics and Single-Cell Dissection of Exostosin Glycosyltransferases (EXT1/EXT2) Reveals Divergent Oncogenic Roles and Therapeutic Vulnerabilities in Gliomas. Journal of Cancer, 17(1), 177.

Picon C, et al. (2026) Dysregulation of the endosomal sorting complex III is linked to neurodegeneration in progressive multiple sclerosis. Brain pathology (Zurich, Switzerland), 36(1), e70034.

Kawles A, et al. (2026) Dendritic location of dystrophic neurites in FTLD-TDP type C with annexinopathy. Brain pathology (Zurich, Switzerland), 36(1), e70032.

Vobořil M, et al. (2026) Thymic myeloid cells are heterogeneous and include a novel population of transitional dendritic cells. The Journal of experimental medicine, 223(1).

Makulyte G, et al. (2026) The Proinflammatory Secretome of Senescent Cells Can Be Controlled by a HIF2A-Dependent Upregulation and a FURIN-Dependent Cleavage of the ANGPTL4 Secreted Factor. Aging cell, 25(1), e70307.

Mbano IM, et al. (2026) Single-cell and spatial profiling highlights TB-induced myofibroblasts as drivers of lung pathology. The Journal of experimental medicine, 223(3).

Ahmad T, et al. (2026) KDM7B-mediated demethylation of RNF113A regulates small cell lung cancer sensitivity to alkylation damage. *bioRxiv : the preprint server for biology*.

Kim H, et al. (2026) Myelin antigen capture in the CNS by B cells expressing EBV latent membrane protein 1 leads to demyelinating lesion formation. *Cell*.

de Araujo Salgado I, et al. (2026) High-fat food reinforces risk taking by suppressing defensive neurons. *Current biology : CB*, 36(1), 49.

Korpinen K, et al. (2025) Personalized multifactorial risk assessment in neoadjuvant-treated breast carcinoma. *Breast cancer research and treatment*, 210(2), 463.

Poelman R, et al. (2025) Intranasal Delivery of a Ghrelin Mimetic Engages the Brain Ghrelin Signaling System in Mice. *Endocrinology*, 166(3).

Tadokoro H, et al. (2025) A mouse model of deep vein thrombosis by inferior vena cava hypoperfusion using ameroid constrictors. *Scientific reports*, 15(1), 928.

Tsubaki T, et al. (2025) Aging and cell expansion enhance microRNA diversity in small extracellular vesicles produced from human adipose-derived stem cells. *Cytotechnology*, 77(1), 15.

Rajicic A, et al. (2025) WDR49-Positive Astrocytes Mark Severity of Neurodegeneration in Frontotemporal Lobar Degeneration and Alzheimer's Disease. *Glia*, 73(5), 948.

Marcotti S, et al. (2025) Enhancing Research Through Image Analysis Workshops: Experiences and Best Practices. *Microscopy research and technique*, 88(4), 922.

Das S, et al. (2025) Liver X receptor unlinks intestinal regeneration and tumorigenesis. *Nature*, 637(8048), 1198.

Yli-Hallila A, et al. (2025) QuPath Edu and OpenMicroanatomy: Open-source virtual microscopy tools for medical education. *Journal of anatomy*, 246(5), 846.

O'Donnell BL, et al. (2025) Pannexin 1 and pannexin 3 differentially regulate the cancer cell properties of cutaneous squamous cell carcinoma. *The Journal of physiology*, 603(15), 4409.