

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/>

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

Defining Citation: [PMID:29203879](#)

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

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

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: 20260905T133055+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 2084 mentions in open access literature.

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

Li A, et al. (2026) Automated quantification of tumor-infiltrating lymphocytes by machine learning reveals prognostic and immunogenomic features in lung cancer. Scientific reports, 16(1), 7006.

González-Gualda E, et al. (2026) Treatment resistance to platinum-based chemotherapy in lung and ovarian cancer is driven by a targetable TGF β senescent secretome. Nature aging, 6(2), 368.

Li J, et al. (2026) High expression of G3BP1 is associated with poor prognosis in breast invasive carcinoma. Oncology letters, 31(2), 81.

Wainberg ZA, et al. (2026) Neoadjuvant modified FOLFIRINOX plus nivolumab in borderline-resectable pancreatic ductal adenocarcinoma: a pilot phase 1 trial. Nature communications, 17(1).

Chen Z, et al. (2026) Fibroblast-derived alarmin promotes oral wound healing by activating regulatory T cells that relay pro-angiogenic and anti-inflammatory responses. Cell reports, 45(1), 116829.

Ye K, et al. (2026) Longitudinal analysis of retinal cell state transitions in RB1-deficient retinal organoids reveals the nascent cone precursors are the earliest cell-origin of human retinoblastoma. Cell death & disease, 17(1), 34.

Han P, et al. (2026) Nano-Engineered Titanium Implants Loaded With Gingival Fibroblasts-Derived Microvesicles Enhance Early Osseointegration And Soft Tissue Attachment In Vivo. Advanced healthcare materials, 15(13), e04516.

Tian Y, et al. (2026) Catalase inhibits tumor growth by alleviating oxidative stress and promoting the polarization of tumor-associated macrophage from M2 to M1 phenotype in non-small cell lung cancer. *Biology direct*, 21(1), 24.

Zhytnik L, et al. (2026) New lens on congenital mild bone fragility: a novel Col1a1 knockout mouse model for osteogenesis imperfecta type 1. *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*, 41(5), 565.

Kastinen M, et al. (2026) Unraveling the Effects and Characteristics of Proliferating Tumor and Cytotoxic T Cells in Colorectal Cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(2), 350.

Pradhan B, et al. (2026) Dynamic and Ongoing De Novo L1 Retrotransposition Contributes to Genome Plasticity and Intrapatient Heterogeneity in Ovarian Cancer. *Cancer research*, 86(4), 1073.

Greene E, et al. (2026) High-Dimensional Protein Analysis Uncovers Distinct Immunologic and Stromal Features in Primary and Metastatic Pancreatic Ductal Adenocarcinoma. *Cancer research*, 86(7), 1753.

Balaseviciute U, et al. (2026) Effective therapeutic targeting of CTNNB1-mutant hepatoblastoma with WNTinib. *Molecular oncology*, 20(4), 920.

Chen S, et al. (2026) Normal breast tissue (NBT)-classifiers: advancing compartment classification in normal breast histology. *NPJ breast cancer*, 12(1).

Maas SLN, et al. (2026) A microenvironment-determined risk continuum refines subtyping in meningioma and reveals determinants of machine learning-based tumor classification. *Nature genetics*, 58(2), 341.

Liju VB, et al. (2026) PKC-eta promotes breast cancer metastasis by regulating the Hippo-YAP signaling pathway. *Signal transduction and targeted therapy*, 11(1), 58.

Wang Z, et al. (2026) Clinical and Molecular Characteristics of Foveal Sparing Phenotype in Chinese Patients With Inherited Retinal Diseases. *Translational vision science & technology*, 15(2), 18.

Chockalingam K, et al. (2026) Dual-mode ClfA-targeting DARPIn biologics protect against diverse methicillin-resistant *Staphylococcus aureus* strains. *bioRxiv : the preprint server for biology*.

Kumar A, et al. (2026) High-fat diet rewires gut host-microbiota relationship to derive worse outcomes following *Clostridioides difficile* infection. *bioRxiv : the preprint server for biology*.

Walsh C, et al. (2026) GH Alters Lymphatic Vessels in Female Mice and STAT5 Phosphorylation in Human Lymphatic Endothelial Cells. *Endocrinology*, 167(2).