

Resource Summary Report

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SEURAT

RRID:SCR_007322

Type: Tool

Proper Citation

SEURAT (RRID:SCR_007322)

Resource Information

URL: <http://seurat.r-forge.r-project.org/>

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Description: Software tool which provides interactive visualization capability for the integrated analysis of high-dimensional gene expression data. Visual analytics for the integrated analysis of microarray data.

Abbreviations: SEURAT

Synonyms: SEURAT: Visual analytics for the integrated analysis of microarray data

Resource Type: software resource

Defining Citation: [PMID:20525257](#)

Keywords: Visual analytics, integrated analysis of microarray data, microarray,

Funding: Deutsche José Carreras Leukämie-Stiftung

Resource Name: SEURAT

Resource ID: SCR_007322

Alternate IDs: OMICS_00733

Record Creation Time: 20220129T080241+0000

Record Last Update: 20260725T190637+0000

Ratings and Alerts

No rating or validation information has been found for SEURAT.

No alerts have been found for SEURAT.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 337 mentions in open access literature.

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

Mearelli M, et al. (2026) C9orf72 Repeat Expansion Induces Metabolic Dysfunction in Human iPSC-Derived Microglia and Modulates Glial-Neuronal Crosstalk. *Glia*, 74(1), e70080.

Hu YM, et al. (2026) Elevated Tumor-Associated Androgen Receptor Activity Correlates with Poor Immune Infiltration and Immunotherapy Response across Cancer Types. *Cancer research communications*, 6(1), 17.

Chen D, et al. (2026) Spatially Resolved Multiomics Reveals Metabolic Remodeling and Autophagy Activation in Adamantinomatous Craniopharyngiomas. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), e16965.

Jani S, et al. (2026) Circulating Neoantigen- and Viral Oncoprotein-Specific CD8+ T Cells Share a Transcriptional Signature. *Cancer immunology research*, 14(1), 22.

Meghdadi B, et al. (2026) Digital twins for in vivo metabolic flux estimations in patients with brain cancer. *Cell metabolism*, 38(1), 228.

Hill RZ, et al. (2026) Renal PIEZO2 is an essential regulator of renin. *Cell*, 189(1), 161.

Kallio P, et al. (2025) A Multipotent PROX1+ Tumor Stem/Progenitor Cell Population Emerges during Intestinal Tumorigenesis and Mediates Radioresistance in Colorectal Cancer. *Cancer research*, 85(23), 4616.

Lotti F, et al. (2025) GPNMB marks a quiescent cell population in melanoma and promotes metastasis formation. *EMBO reports*, 26(15), 3804.

Souto EP, et al. (2025) Lineage Tracing and Single-Cell RNA Sequencing Reveal a Common Transcriptional State in Breast Cancer Tumor-Initiating Cells Characterized by IFN/STAT1 Activity. *Cancer research*, 85(8), 1390.

Zhou X, et al. (2025) Characterization of m6A-regulated targets and immune cells in dental caries: insights from multi-omics analysis. *European journal of medical research*, 30(1), 1258.

Wang H, et al. (2025) Phenotypic plasticity and increased infiltration of peripheral blood-derived TREM1+ mono-macrophages following radiotherapy in rectal cancer. *Cell reports. Medicine*, 6(1), 101887.

Labaf M, et al. (2025) Heterogeneous Responses to High-Dose Testosterone in Castration-Resistant Prostate Cancer Tumors with Mixed Rb-Proficient and Rb-Deficient Cells. *Molecular cancer therapeutics*, 24(5), 772.

Gaertner Z, et al. (2025) Molecular and spatial transcriptomic classification of midbrain dopamine neurons and their alterations in a LRRK2G2019S model of Parkinson's disease. *eLife*, 13.

Zhang J, et al. (2025) SLC16A3 as an immunosuppressive Kupffer cell marker predicts poor prognosis in HBV-positive hepatocellular carcinoma. *Journal of translational medicine*, 23(1), 988.

Marzano P, et al. (2025) Tissue-Specific Immunosuppressive and Proliferating Macrophages Fuel Early Metastatic Progression of Human Colorectal Cancer to the Liver. *Cancer immunology research*, 13(11), 1783.

Ciccone MF, et al. (2025) Loss of BPTF restores estrogen response and suppresses metastasis of mammary tumors. *Nature communications*, 16(1), 9168.

Zhou HY, et al. (2025) Dynamic development of microglia and macrophages after spinal cord injury. *Neural regeneration research*, 20(12), 3606.

Stewart CA, et al. (2025) YAP1 defines an emergent, plastic population of relapsed small cell lung cancer. *bioRxiv : the preprint server for biology*.

Ali M, et al. (2025) Temporal transcriptomic changes in the THY-Tau22 mouse model of tauopathy display cell type- and sex-specific differences. *Acta neuropathologica communications*, 13(1), 93.

Kinman AI, et al. (2025) Atypical hippocampal excitatory neurons express and govern object memory. *Nature communications*, 16(1), 1195.