Resource Summary Report

Generated by RRID on Aug 15, 2026

SeuratObject

RRID:SCR_027221
Type: Tool

Proper Citation

SeuratObject (RRID:SCR_027221)

Resource Information

URL: https://www.rdocumentation.org/packages/SeuratObject/versions/5.0.2

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Description: Software R package defines S4 classes for single-cell genomic data and associated information, such as dimensionality reduction embeddings, nearest-neighbor graphs, and spatially-resolved coordinates. Provides data access methods and R-native hooks to ensure the Seurat object is familiar to other R users.

Synonyms: SeuratObject:Data Structures for Single Cell Data

Resource Type: software toolkit, source code, software resource

Keywords: S4 classes for single-cell genomic data, dimensionality reduction embeddings, nearest-neighbor graphs, spatially-resolved coordinates,

Availability: Free, Available for download, Freely available,

Resource Name: SeuratObject

Resource ID: SCR_027221

Alternate URLs: https://CRAN.R-project.org/package=SeuratObject, https://github.com/satijalab/seurat-object

License: MIT license

Record Creation Time: 20250719T054858+0000

Record Last Update: 20260815T183257+0000

Ratings and Alerts

No rating or validation information has been found for SeuratObject.

No alerts have been found for SeuratObject.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Ha HT, et al. (2026) Human Atlas of Tooth Decay Progression: Identification of Cellular Mechanisms Driving the Switch from Dental Pulp Repair Toward Irreversible Pulpitis. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(8), e10096.

Kim YM, et al. (2026) Engineering NK and T cells with metabolite-sensing receptors to target solid tumors. Nature immunology, 27(5), 1039.

Branchett WJ, et al. (2025) Type I IFN drives neutrophil swarming, impeding lung T cell-macrophage interactions and TB control. The Journal of experimental medicine, 222(12).

Chen C, et al. (2025) Biomimetic targeted self-adaptive nanodrug for inflammation optimization and AT2 cell modulation in precise ARDS therapy. Science advances, 11(31), eadw5133.

Melón-Ardanaz E, et al. (2025) Differential effects of tofacitinib on macrophage activation contribute to lack of response in ulcerative colitis patients. Journal of Crohn's & colitis, 19(6).

Ireland AS, et al. (2025) Basal cell of origin resolves neuroendocrine-tuft lineage plasticity in cancer. Nature, 647(8088), 257.

McCutcheon CR, et al. (2025) Defining cellular diversity at the swine maternal-fetal interface using spatial transcriptomics and organoids. PLoS biology, 23(8), e3003302.

Townsend HA, et al. (2024) Evaluating methods for integrating single-cell data and genetics to understand inflammatory disease complexity. Frontiers in immunology, 15, 1454263.

Röring RJ, et al. (2024) MMR vaccination induces trained immunity via functional and metabolic reprogramming of ?? T cells. The Journal of clinical investigation, 134(7).

Garrido-Trigo A, et al. (2023) Macrophage and neutrophil heterogeneity at single-cell spatial resolution in human inflammatory bowel disease. Nature communications, 14(1), 4506.

Du W, et al. (2023) WNT signaling in the tumor microenvironment promotes immunosuppression in murine pancreatic cancer. The Journal of experimental medicine, 220(1).

Menjivar RE, et al. (2023) Arginase 1 is a key driver of immune suppression in pancreatic cancer. eLife, 12.

Balzer MS, et al. (2023) Treatment effects of soluble guanylate cyclase modulation on diabetic kidney disease at single-cell resolution. Cell reports. Medicine, 4(4), 100992.