

Resource Summary Report

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Pegasus

RRID:SCR_021645

Type: Tool

Proper Citation

Pegasus (RRID:SCR_021645)

Resource Information

URL: <https://pegasus.readthedocs.io/en/stable>

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Description: Software package for massive single cell data processing. Enables analysis of million scale single cell RNA-seq data and is functionally comparable to Seurat and SCANPY. Command line tool, Python package and base for Cloud based analysis workflows. Supports variety of analysis tasks, such as cell and gene level quality control, highly variable gene selection, dimension reduction, kNN graph building, data integration, clustering, differential expression analysis and putative cell type annotation.

Synonyms: Pegasus for Single Cell Analysis, Pegasus tool for massive single cell data processing

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

Keywords: massive single cell data processing, million scale single cell RNA-seq data, gene level quality control, highly variable gene selection, dimension reduction

Availability: Free, Available for download, Freely available

Resource Name: Pegasus

Resource ID: SCR_021645

Alternate URLs: <https://app.terra.bio/#workspaces/kco-tech/Cumulus/notebooks>

Record Creation Time: 20220129T080356+0000

Record Last Update: 20260905T132943+0000

Ratings and Alerts

No rating or validation information has been found for Pegasus.

No alerts have been found for Pegasus.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 53 mentions in open access literature.

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

Janton CJ, et al. (2026) Single-cell transcriptional mapping of Mustn1 exhibits consistent mural cell localization across musculoskeletal tissues. JBMR plus, 10(2), ziaf193.

Morcom L, et al. (2026) DNA damage burden causes selective CUX2 neuron loss in neuroinflammation. Nature, 653(8115), 809.

Zhu L, et al. (2026) RUNX1 recruitment of GCN5 in keratinocytes upregulates ICOSLG and promotes T cell activation in the psoriasis microenvironment. Experimental & molecular medicine, 58(6), 1838.

Kulasekararaj A, et al. (2026) Indirect treatment comparison of iptacopan versus pegcetacoplan for patients with paroxysmal nocturnal hemoglobinuria and residual anemia despite C5 inhibitor treatment. Journal of comparative effectiveness research, 15(4), e250167.

Feng Z, et al. (2026) Essential role of NONO-HOXA1-Wnt axis in cardiomyocyte differentiation. Nature communications, 17(1).

Pilcher WC, et al. (2026) A single-cell atlas characterizes dysregulation of the bone marrow immune microenvironment associated with outcomes in multiple myeloma. Nature cancer, 7(1), 224.

Roels J, et al. (2026) The Hippo Pathway Is Dysregulated in Cancer-Associated Fibroblasts in Anti-PD-L1-Resistant Cancer. Cancer research, 86(11), 2592.

Rahimi RA, et al. (2025) Distinct phenotypes and repertoires of bronchoalveolar and airway mucosal T cells in health and allergic asthma. bioRxiv : the preprint server for biology.

Fullard JF, et al. (2025) Population-scale cross-disorder atlas of the human prefrontal cortex at single-cell resolution. Scientific data, 12(1), 954.

Zhang Z, et al. (2025) Brain-model neural similarity reveals abstractive summarization performance. Scientific reports, 15(1), 370.

Yan Y, et al. (2025) Mapping Plasmodium transitions and interactions in the Anopheles female. *Nature*, 648(8093), 451.

Yan Y, et al. (2025) Mapping Plasmodium transitions and interactions in the Anopheles female. *bioRxiv : the preprint server for biology*.

de Castro C, et al. (2025) Efficacy and Safety Maintained up to 3 Years in Adults with Paroxysmal Nocturnal Hemoglobinuria Receiving Pegcetacoplan. *Advances in therapy*, 42(9), 4641.

Alsultan R, et al. (2025) PEGASUS-XL with saliency-guided scoring and long-input encoding for multi-document abstractive summarization. *Scientific reports*, 15(1), 26529.

Vander Meersche Y, et al. (2025) PEGASUS: Prediction of MD-derived protein flexibility from sequence. *Protein science : a publication of the Protein Society*, 34(8), e70221.

Wang K, et al. (2025) Toward universal immunofluorescence normalization for multiplex tissue imaging with UniFORM. *Cell reports methods*, 5(9), 101172.

Cheloni G, et al. (2025) Durable response to CAR T is associated with elevated activation and clonotypic expansion of the cytotoxic native T cell repertoire. *Nature communications*, 16(1), 4819.

Wiser LS, et al. (2025) A precise metallicity and carbon-to-oxygen ratio for a warm giant exoplanet from its panchromatic JWST emission spectrum. *Proceedings of the National Academy of Sciences of the United States of America*, 122(39), e2416193122.

Pita-Juarez Y, et al. (2025) A single-nucleus and spatial transcriptomic atlas of the COVID-19 liver reveals topological, functional, and regenerative organ disruption in patients. *Genome biology*, 26(1), 56.

Raupach EA, et al. (2025) Loss of SMARCA4 Leads to Intron Retention and Generation of Tumor-Associated Antigens in Small Cell Carcinoma of the Ovary, Hypercalcemic Type. *Cancer research*, 85(14), 2626.