Resource Summary Report

Generated by RRID on May 16, 2025

GSEApy

RRID:SCR_025803

Type: Tool

Proper Citation

GSEApy (RRID:SCR_025803)

Resource Information

URL: https://gseapy.readthedocs.io/en/latest/

Proper Citation: GSEApy (RRID:SCR_025803)

Description: Software Python package for performing gene set enrichment analysis. Used

for characterizing gene expression changes by analysis of large single-cell datasets.

Synonyms: Gene Set Enrichment Analysis python

Resource Type: software resource, software toolkit, source code

Defining Citation: PMID:36426870

Keywords: gene set enrichment analysis, characterizing gene expression changes, large

single-cell datasets,

Funding: NIDA 5U01DA04439902

Availability: Free, Available for download, Freely available

Resource Name: GSEApy

Resource ID: SCR_025803

Alternate URLs: https://github.com/zqfang/GSEApy

License: BSD-3-Clause license

Record Creation Time: 20240927T053302+0000

Record Last Update: 20250513T062631+0000

Ratings and Alerts

No rating or validation information has been found for GSEApy.

No alerts have been found for GSEApy.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 72 mentions in open access literature.

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

Zhang M, et al. (2025) Identification of Critical Phosphorylation Sites Enhancing Kinase Activity With a Bimodal Fusion Framework. Molecular & cellular proteomics: MCP, 24(1), 100889.

Sato T, et al. (2025) Sustained inhibition of CSF1R signaling augments antitumor immunity through inhibiting tumor-associated macrophages. JCI insight, 10(1).

Yi W, et al. (2025) In silico characterization of defense system hotspots in Acinetobacter spp. Communications biology, 8(1), 39.

Ng CW, et al. (2025) Spatial transcriptome reveals histology-correlated immune signature learnt by deep learning attention mechanism on H&E-stained images for ovarian cancer prognosis. Journal of translational medicine, 23(1), 113.

Watson BR, et al. (2025) Spatial transcriptomics of healthy and fibrotic human liver at single-cell resolution. Nature communications, 16(1), 319.

Yong J, et al. (2024) Impairment of lipid homeostasis causes lysosomal accumulation of endogenous protein aggregates through ESCRT disruption. eLife, 12.

Guo B, et al. (2024) Targeting Immunoproteasome in Polarized Macrophages Ameliorates Experimental Emphysema Via Activating NRF1/2-P62 Axis and Suppressing IRF4 Transcription. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(44), e2405318.

Fleming TJ, et al. (2024) CEBPA repression by MECOM blocks differentiation to drive aggressive leukemias. bioRxiv: the preprint server for biology.

Zheng Y, et al. (2024) Digital profiling of cancer transcriptomes from histology images with grouped vision attention. bioRxiv: the preprint server for biology.

Nwizu C, et al. (2024) Scalable nonparametric clustering with unified marker gene selection for single-cell RNA-seq data. bioRxiv: the preprint server for biology.

Starr AL, et al. (2024) Disentangling cell-intrinsic and extrinsic factors underlying evolution. bioRxiv: the preprint server for biology.

Zhou P, et al. (2024) Spatial transition tensor of single cells. Nature methods, 21(6), 1053.

Song Q, et al. (2024) Predicting lung aging using scRNA-Seq data. PLoS computational biology, 20(12), e1012632.

Ng CW, et al. (2024) The prognostic value of MEK pathway-associated estrogen receptor signaling activity for female cancers. British journal of cancer, 130(11), 1875.

Galimberti M, et al. (2024) Huntington's disease cellular phenotypes are rescued non-cell autonomously by healthy cells in mosaic telencephalic organoids. Nature communications, 15(1), 6534.

Badu P, et al. (2024) Activation of ATF3 via the integrated stress response pathway regulates innate immune response to restrict Zika virus. Journal of virology, 98(10), e0105524.

Matsumoto K, et al. (2024) Patient-derived organoids of pancreatic ductal adenocarcinoma for subtype determination and clinical outcome prediction. Journal of gastroenterology, 59(7), 629.

Chen R, et al. (2024) Expanding drug targets for 112 chronic diseases using a machine learning-assisted genetic priority score. Nature communications, 15(1), 8891.

Pizurica M, et al. (2024) Digital profiling of gene expression from histology images with linearized attention. Nature communications, 15(1), 9886.

An M, et al. (2024) Early Immune Remodeling Steers Clinical Response to First-Line Chemoimmunotherapy in Advanced Gastric Cancer. Cancer discovery, 14(5), 766.