

Resource Summary Report

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Single Cell Pathway Analysis

RRID:SCR_024909

Type: Tool

Proper Citation

Single Cell Pathway Analysis (RRID:SCR_024909)

Resource Information

URL: <https://jackbibby1.github.io/SCPA/>

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Description: Software R package for pathway analysis in scRNA-seq data. It's a different approach to pathway analysis that defines pathway activity as a change in multivariate distribution of a given pathway across conditions, rather than enrichment or over representation of genes.

Abbreviations: SCPA

Synonyms: Single Cell Pathway Analysis (SCPA)

Resource Type: data analysis software, data processing software, software application, software resource, source code

Defining Citation: [PMID:36417885](#)

Keywords: pathway analysis, scRNA-seq data analysis, single cell RNA-seq data,

Funding: Intramural Research Program of the NIH ;
National Heart ;
Lung ;
and Blood Institute ;
NHGRI R01 HG006137

Availability: Free, Available for download, Freely available

Resource Name: Single Cell Pathway Analysis

Resource ID: SCR_024909

Alternate URLs: <https://github.com/jackbibby1/SCPA/>

License: GNU GPL v3

Record Creation Time: 20240124T050257+0000

Record Last Update: 20260912T200433+0000

Ratings and Alerts

No rating or validation information has been found for Single Cell Pathway Analysis.

No alerts have been found for Single Cell Pathway Analysis.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Suzuki M, et al. (2026) IL-22 promotes genesis of small intestinal secretory cells that protect against cholera in mice. bioRxiv : the preprint server for biology.

Suzuki M, et al. (2026) IL-22 promotes genesis of small intestinal secretory cells that protect against cholera in mice. Nature microbiology, 11(7), 1949.

Vercellino J, et al. (2024) Thrombopoietin mimetic stimulates bone marrow vascular and stromal niches to mitigate acute radiation syndrome. Stem cell research & therapy, 15(1), 123.