

Resource Summary Report

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Rphenograph

RRID:SCR_022603

Type: Tool

Proper Citation

Rphenograph (RRID:SCR_022603)

Resource Information

URL: <https://github.com/JinmiaoChenLab/Rphenograph>

Proper Citation: Rphenograph (RRID:SCR_022603)

Description: Software R tool as simple R implementation of PhenoGraph algorithm, which is clustering method designed for high dimensional single cell data analysis.

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

Keywords: R, high dimensional single cell data analysis, clustering method

Availability: Free, Available for download, Freely available

Resource Name: Rphenograph

Resource ID: SCR_022603

Record Creation Time: 20220730T050156+0000

Record Last Update: 20260729T044539+0000

Ratings and Alerts

No rating or validation information has been found for Rphenograph.

No alerts have been found for Rphenograph.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 24 mentions in open access literature.

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

Autio M, et al. (2025) Spatial Analysis of the Tumor Microenvironment in Diffuse Large B-cell Lymphoma Reveals Clinically Relevant Cell Interactions and Recurrent Cellular Neighborhoods. *Cancer immunology research*, 13(10), 1674.

Bollhagen A, et al. (2025) High-resolution imaging mass cytometry to map subcellular structures. *Nature methods*, 22(12), 2601.

Salié H, et al. (2025) Spatial single-cell profiling and neighbourhood analysis reveal the determinants of immune architecture connected to checkpoint inhibitor therapy outcome in hepatocellular carcinoma. *Gut*, 74(3), 451.

Corgnac S, et al. (2025) TGF- β and IL-12 conversely orchestrate the formation of CD103⁺ CD8 tumor-resident memory T cells to regulate response to therapeutic cancer vaccine. *iScience*, 28(8), 113147.

Lyman MR, et al. (2025) Spatial proteomics and transcriptomics reveal early immune cell organization in pancreatic intraepithelial neoplasia. *JCI insight*, 10(15).

Hermelo I, et al. (2025) Unsupervised clustering reveals noncanonical myeloid cell subsets in the brain tumor microenvironment. *Cancer immunology, immunotherapy : CII*, 74(2), 63.

Lien HE, et al. (2025) Multiplex single-cell profiling of putative cancer stem cell markers ALDH1, SOX9, SOX2, CD44, CD133 and CD15 in endometrial cancer. *Molecular oncology*, 19(6), 1651.

Kvedaraite E, et al. (2024) Intestinal stroma guides monocyte differentiation to macrophages through GM-CSF. *Nature communications*, 15(1), 1752.

Lum FM, et al. (2024) Crosstalk between CD64⁺MHCII⁺ macrophages and CD4⁺ T cells drives joint pathology during chikungunya. *EMBO molecular medicine*, 16(3), 641.

Chang H, et al. (2024) Immune Modulation with RANKL Blockade through Denosumab Treatment in Patients with Cancer. *Cancer immunology research*, 12(4), 453.

Lakatos E, et al. (2024) Epigenome and early selection determine the tumour-immune evolutionary trajectory of colorectal cancer. *bioRxiv : the preprint server for biology*.

Krull JE, et al. (2024) Follicular lymphoma B cells exhibit heterogeneous transcriptional states with associated somatic alterations and tumor microenvironments. *Cell reports. Medicine*, 5(3), 101443.

Mi H, et al. (2023) Spatial and Compositional Biomarkers in Tumor Microenvironment Predicts Clinical Outcomes in Triple-Negative Breast Cancer. *bioRxiv : the preprint server for biology*.

Guo M, et al. (2023) Molecular, metabolic, and functional CD4 T cell paralysis in the lymph node impedes tumor control. *Cell reports*, 42(9), 113047.

Einhaus J, et al. (2023) Spatial subsetting enables integrative modeling of oral squamous cell carcinoma multiplex imaging data. *iScience*, 26(12), 108486.

Lien HE, et al. (2023) Single-cell profiling of low-stage endometrial cancers identifies low epithelial vimentin expression as a marker of recurrent disease. *EBioMedicine*, 92, 104595.

Crescioli S, et al. (2023) B cell profiles, antibody repertoire and reactivity reveal dysregulated responses with autoimmune features in melanoma. *Nature communications*, 14(1), 3378.

Nawrocki ST, et al. (2023) Comprehensive Single-Cell Immune Profiling Defines the Patient Multiple Myeloma Microenvironment Following Oncolytic Virus Therapy in a Phase Ib Trial. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 29(24), 5087.

Weeratunga P, et al. (2023) Single cell spatial analysis reveals inflammatory foci of immature neutrophil and CD8 T cells in COVID-19 lungs. *Nature communications*, 14(1), 7216.

Zhu Y, et al. (2023) Opioid-induced fragile-like regulatory T cells contribute to withdrawal. *Cell*, 186(3), 591.