

Resource Summary Report

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FlowSOM

RRID:SCR_016899

Type: Tool

Proper Citation

FlowSOM (RRID:SCR_016899)

Resource Information

URL: <https://github.com/SofieVG/FlowSOM>

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Description: Software tool to analyze Flow or mass cytometry data using a Self-Organizing Map. Used to obtain an overview of how all markers are behaving on all cells, and to detect subsets that might be missed otherwise.

Synonyms: FlowSOM, Flow Self Organizing Map

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

Defining Citation: [PMID:25573116](#)

Keywords: flow, cytometry, data, analysis, self, organizing, map, marker, cell, detect, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: FlowSOM

Resource ID: SCR_016899

Alternate IDs: biotools:flowsom

Alternate URLs: <https://bioconductor.org/packages/release/bioc/html/FlowSOM.html>, <https://www.flowjo.com/exchange/#/plugin/profile?id=7>, <https://bio.tools/flowsom>

License: GPL

Record Creation Time: 20220129T080332+0000

Record Last Update: 20260905T132815+0000

Ratings and Alerts

No rating or validation information has been found for FlowSOM.

No alerts have been found for FlowSOM.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 125 mentions in open access literature.

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

Singh P, et al. (2026) Loss of KDM6A-mediated genomic instability and metabolic reprogramming regulates response to therapeutic perturbations in bladder cancer. *Nature communications*, 17(1), 1382.

Cascino KE, et al. (2026) HIV causes global B cell dysregulation and restricts HBV-specific B cell development in an incident HBV cohort. *The Journal of clinical investigation*, 136(11).

Schwabenland M, et al. (2026) High-dimensional Spatial Immune Profiling Highlights Microglia-Like Cells in Human Dorsal Root Ganglia. *European journal of immunology*, 56(5), e70211.

Sommen SL, et al. (2026) Long COVID: Deep single-cell immunophenotyping and machine learning reveal a general signature for fatigue. *Journal of translational medicine*, 24(1).

Sakrepatna Nagaraj A, et al. (2026) Ex Vivo Immuno-Oncology Platform Reveals Spatial T-cell Infiltration Patterns Linked to ATR Inhibition Responses in High-Grade Serous Ovarian Cancer. *Cancer immunology research*, 14(4), 625.

Milanesi S, et al. (2026) Variants in human CD48 lead to impaired T cell immunity and increased inflammation. *The Journal of clinical investigation*, 136(11).

Jullien M, et al. (2026) Functional recovery of NK cells after T-cell replete haploidentical HSCT: delayed licensing and poor anti-acute myeloid leukemia activity. *Blood advances*, 10(3), 665.

Dozono M, et al. (2026) HTLV-1-Infected CD4+ T Cells Drive Spontaneous Lymphoproliferation and Virus-Specific CD8+ Cytotoxic T Lymphocyte Expansion in HAM/TSP. *Neurology(R) neuroimmunology & neuroinflammation*, 13(4), e200581.

Monberg TJ, et al. (2026) Safety and feasibility of blood-derived multiple antigen-specific endogenously derived T cells (MASE-T) for metastatic melanoma. *Immuno-oncology technology*, 29, 101581.

Bevc K, et al. (2026) Enrichment of HLA-DR+ neutrophils in osteoarthritic infrapatellar fat pad. *iScience*, 29(4), 115214.

Deng Z, et al. (2026) Metronomic Chemotherapy Induces Metabolic Reprogramming in Cancer Cells That Modulates Mature Regulatory Dendritic Cell Function to Stimulate Antitumor Immunity. *Cancer research*, 86(11), 2793.

??cka M, et al. (2026) Engineering Cathepsin S Selective Chemical Probes and Antibody-Drug Conjugates through Substrate Profiling with Unnatural Amino Acids. *Journal of medicinal chemistry*, 69(14), 16550.

Ishikawa A, et al. (2026) IL-15 and IL-21 synergy improves anti-tumor efficacy of iPSC-derived cytotoxic T cells in solid tumors. *Molecular therapy : the journal of the American Society of Gene Therapy*.

Horvat NK, et al. (2026) Loss of miR-29a/b1 Cluster Reprograms the Tumor Microenvironment and Contributes to Immunosuppression in Lung Cancer. *Cancer immunology research*, 14(6), 974.

Mayer M, et al. (2025) Deciphering the cellular tumor microenvironment landscape in salivary gland carcinomas using multiplexed imaging mass cytometry. *Journal of experimental & clinical cancer research : CR*, 44(1), 288.

Min Q, et al. (2025) The Effect of Cryopreservation on T-Cell Subsets by Flow Cytometry Automated Algorithmic Analysis and Conventional Analysis. *Journal of clinical laboratory analysis*, 39(3), e25146.

Georgakis S, et al. (2025) Delineation of the Human Germinal Centre Immune Landscape Using Multiplex Imaging Analysis. *Immunology*, 176(1), 87.

Montesi G, et al. (2025) Machine learning approaches to dissect hybrid and vaccine-induced immunity. *Communications medicine*, 5(1), 282.

Shirasawa M, et al. (2025) Diversity of TCR repertoire predicts recurrence after CRT followed by durvalumab in patients with NSCLC. *NPJ precision oncology*, 9(1), 17.

Kusterer M, et al. (2025) Dynamic evolution of TCF3-PBX1 leukemias at the single-cell level under chemotherapy pressure. *HemaSphere*, 9(2), e70071.