

# Resource Summary Report

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## [flowCore](#)

RRID:SCR\_002205

Type: Tool

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### Proper Citation

flowCore (RRID:SCR\_002205)

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### Resource Information

**URL:** <http://www.bioconductor.org/packages/release/bioc/html/flowCore.html>

**Proper Citation:** flowCore (RRID:SCR\_002205)

**Description:** A Bioconductor software package for high throughput flow cytometry that provides S4 data structures and basic functions.

**Synonyms:** flowCore: Basic structures for flow cytometry data

**Resource Type:** software resource

**Defining Citation:** [PMID:19358741](#)

**Keywords:** software package, mac os x, unix/linux, windows, r, cell based assay, flow cytometry, infrastructure

**Availability:** Artistic License, v2

**Resource Name:** flowCore

**Resource ID:** SCR\_002205

**Alternate IDs:** OMICS\_05596

**Record Creation Time:** 20220129T080212+0000

**Record Last Update:** 20260725T190521+0000

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### Ratings and Alerts

No rating or validation information has been found for flowCore.

No alerts have been found for flowCore.

## Data and Source Information

**Source:** [SciCrunch Registry](#)

## Usage and Citation Metrics

We found 350 mentions in open access literature.

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

Idorn M, et al. (2026) Role for NF- $\kappa$ B in herpes encephalitis pathology in mice genocopying an inborn error of IRF3-IFN immunity. *The Journal of experimental medicine*, 223(1).

Srivastava N, et al. (2026) A microenvironment-driven HLA-II-associated insulin neoantigen elicits persistent memory T cell activation in diabetes. *Nature immunology*, 27(1), 82.

Herbrich S, et al. (2026) TET2-mutant clonal hematopoiesis enhances macrophage antigen presentation and improves immune checkpoint therapy in solid tumors. *Cancer cell*, 44(1), 187.

Laplante P, et al. (2025) Effect of Mismatch repair deficiency on metastasis occurrence in a syngeneic mouse model. *Neoplasia (New York, N.Y.)*, 62, 101145.

Semitekolou M, et al. (2025) Blood immunomap for prediction of responses to anti-PD-1 immunotherapy in metastatic non-small cell lung cancer. *iScience*, 28(9), 112804.

Lisevich I, et al. (2025) Physics of swimming and its fitness cost determine strategies of bacterial investment in flagellar motility. *Nature communications*, 16(1), 1731.

Obare LM, et al. (2025) CD3<sup>+</sup> T-cell: CD14<sup>+</sup> monocyte complexes are dynamic and increased with HIV and glucose intolerance. *Journal of immunology (Baltimore, Md. : 1950)*, 214(3), 516.

Gao Y, et al. (2025) Identification of soluble biomarkers that associate with distinct manifestations of long COVID. *Nature immunology*, 26(5), 692.

Ma J, et al. (2025) Azenosertib Is a Potent and Selective WEE1 Kinase Inhibitor with Broad Antitumor Activity Across a Range of Solid Tumors. *Molecular cancer therapeutics*, 24(8), 1171.

Sorgenfrei M, et al. (2025) Rapid detection and capture of clinical *Escherichia coli* strains mediated by OmpA-targeting nanobodies. *Communications biology*, 8(1), 1047.

Karta J, et al. (2025) *Fusobacterium nucleatum* interacts with cancer-associated fibroblasts to promote colorectal cancer. *The EMBO journal*, 44(19), 5375.

Magesh RY, et al. (2025) Aneuploidy generates enhanced nucleotide dependency and sensitivity to metabolic perturbation. *Genes & development*, 39(11-12), 770.

Li L, et al. (2025) A primordial germ cell-like-cell platform enables CRISPRi screen for epigenetic fertility modifiers. *EMBO reports*, 26(23), 6044.

Moleirinho B, et al. (2025) A backbone-based flow cytometry approach to decipher regulatory T cell trajectories in the human thymus. *Frontiers in immunology*, 16, 1553535.

Loureiro JP, et al. (2025) Recognition of MR1-antigen complexes by TCR V $\alpha$ 9V $\beta$ 2. *Frontiers in immunology*, 16, 1519128.

Sabbarini IM, et al. (2025) A ribosome-associating chaperone mediates GTP-driven vectorial folding of nascent eEF1A. *Nature communications*, 16(1), 1277.

Deng Y, et al. (2025) Gene syntaxes modulate gene expression and circuit behavior on plasmids. *Journal of biological engineering*, 19(1), 25.

Tursi AR, et al. (2025) CytoPheno: Automated descriptive cell type naming in flow and mass cytometry. *bioRxiv : the preprint server for biology*.

Palamidas DA, et al. (2025) Multiparametric analysis in the peripheral blood of Giant Cell Arteritis and Polymyalgia Rheumatica patients at the early phases of steroid treatment reveals changes in cell subpopulations and lipid mediators: a preliminary study. *Frontiers in immunology*, 16, 1594263.

Benoit JM, et al. (2025) No evidence of immune exhaustion after repeated SARS-CoV-2 vaccination in vulnerable and healthy populations. *Nature communications*, 16(1), 5219.