Resource Summary Report

Generated by NIF on Apr 29, 2025

flowCore

RRID:SCR_002205
Type: Tool

Proper Citation

flowCore (RRID:SCR_002205)

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

Funding:

Availability: Artistic License, v2

Resource Name: flowCore

Resource ID: SCR_002205

Alternate IDs: OMICS_05596

Record Creation Time: 20220129T080212+0000

Record Last Update: 20250420T014055+0000

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 294 mentions in open access literature.

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

Wu J, et al. (2025) Efficient sex hormone biosensors in Saccharomyces cerevisiae cells to evaluate human aromatase activity and inhibition. Scientific reports, 15(1), 737.

Mermans F, et al. (2025) Quantifying synthetic bacterial community composition with flow cytometry: efficacy in mock communities and challenges in co-cultures. mSystems, 10(1), e0100924.

Marquiegui-Alvaro A, et al. (2025) Genetic Bioaugmentation-Mediated Bioremediation of Terephthalate in Soil Microcosms Using an Engineered Environmental Plasmid. Microbial biotechnology, 18(1), e70071.

Graça AP, et al. (2025) MftG is crucial for ethanol metabolism of mycobacteria by linking mycofactocin oxidation to respiration. eLife, 13.

Lo Tartaro D, et al. (2025) Metabolically activated and highly polyfunctional intratumoral VISTA+ regulatory B cells are associated with tumor recurrence in early-stage NSCLC. Molecular cancer, 24(1), 16.

Nem?ko F, et al. (2024) Proteome-scale tagging and functional screening in mammalian cells by ORFtag. Nature methods, 21(9), 1668.

Kabakibo TS, et al. (2024) Artificial antigen-presenting cell system reveals CD28's role in modulating T cell functions during human immunodeficiency virus infection. iScience, 27(10), 110947.

Pan YG, et al. (2024) Differentiation marker-negative CD4+ T cells persist after yellow fever virus vaccination and contribute to durable memory. bioRxiv : the preprint server for biology.

Odak I, et al. (2024) Systems biology analysis reveals distinct molecular signatures associated with immune responsiveness to the BNT162b COVID-19 vaccine. EBioMedicine, 99, 104947.

Wang F, et al. (2024) SPDB: a comprehensive resource and knowledgebase for proteomic data at the single-cell resolution. Nucleic acids research, 52(D1), D562.

Caulier B, et al. (2024) CD37 is a safe chimeric antigen receptor target to treat acute myeloid leukemia. Cell reports. Medicine, 5(6), 101572.

Obare LM, et al. (2024) CD3+ T-cell: CD14+monocyte complexes are dynamic and increased with HIV and glucose intolerance. bioRxiv : the preprint server for biology.

Lai H-Y, et al. (2024) Interaction with a phage gene underlie costs of a ?-lactamase. mBio, 15(2), e0277623.

Watanuki S, et al. (2024) Context-dependent modification of PFKFB3 in hematopoietic stem cells promotes anaerobic glycolysis and ensures stress hematopoiesis. eLife, 12.

Gallaccio G, et al. (2024) Protocol to characterize immune cell subpopulations in cerebrospinal fluid of patients with neuroinflammatory diseases using mass cytometry. STAR protocols, 5(2), 103038.

Daniel SK, et al. (2024) Reversing immunosuppression in the tumor microenvironment of fibrolamellar carcinoma via PD-1 and IL-10 blockade. Scientific reports, 14(1), 5109.

Vyhlídalová Kotrbová A, et al. (2024) Proteomic analysis of ascitic extracellular vesicles describes tumour microenvironment and predicts patient survival in ovarian cancer. Journal of extracellular vesicles, 13(3), e12420.

Spasic M, et al. (2024) Spectral Flow Cytometry Methods and Pipelines for Comprehensive Immunoprofiling of Human Peripheral Blood and Bone Marrow. Cancer research communications, 4(3), 895.

Díez-Sánchez A, et al. (2024) LSD1 drives intestinal epithelial maturation and controls small intestinal immune cell composition independent of microbiota in a murine model. Nature communications, 15(1), 3412.

Castenmiller SM, et al. (2024) Tertiary lymphoid structure-related immune infiltrates in NSCLC tumor lesions correlate with low tumor-reactivity of TIL products. Oncoimmunology, 13(1), 2392898.