

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

SPADE

RRID:SCR_001810

Type: Tool

Proper Citation

SPADE (RRID:SCR_001810)

Resource Information

URL: <https://www.bioconductor.org/packages//2.10/bioc/html/spade.html>

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Description: An analysis and visualization software tool for high dimensional flow cytometry data that organizes cells into hierarchies of related phenotypes.

Synonyms: Spanning tree Progression of Density normalized Events, SPADE - An analysis and visualization tool for Flow Cytometry

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

Defining Citation: [PMID:21964415](https://pubmed.ncbi.nlm.nih.gov/21964415/)

Keywords: software package, mac os x, unix/linux, windows, r, clustering, flow cytometry, gui, graph, network, visualization

Availability: Free, Available for download, Freely available

Resource Name: SPADE

Resource ID: SCR_001810

Alternate IDs: OMICS_05639

Alternate URLs: <http://cytospade.org/>

Old URLs: <http://www.bioconductor.org/packages/release/bioc/html/spade.html>

License: GNU General Public License, v2

Record Creation Time: 20220129T080209+0000

Record Last Update: 20260808T185732+0000

Ratings and Alerts

No rating or validation information has been found for SPADE.

No alerts have been found for SPADE.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 285 mentions in open access literature.

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

Park JY, et al. (2026) Engineering and evaluation of precision-glycosylated clickable albumin nanoplatfrom for targeting the tumor microenvironment. *Theranostics*, 16(3), 1482.

Shemonti AS, et al. (2026) CARGO: A Cytometry Analysis framework via Regularized Graph Optimal-transport. *PLoS computational biology*, 22(6), e1014358.

Zhu Y, et al. (2026) Replacing meat and dairy with plant-based alternatives in the Netherlands: trade-offs in environmental impacts and critical nutrient intake. *European journal of nutrition*, 65(2), 62.

Bangera SR, et al. (2026) Characterizing Oral Microbiome and Periodontal Disease in Oral HPV-Positive (COMP-HPV) individuals with HIV: an observational longitudinal study protocol. *BMC oral health*, 26(1).

Shalmani MA, et al. (2026) Sequential pattern transformer (SPT): a generative and interpretable framework for predicting disease trajectories. *Neural computing & applications*, 38(3).

Jelenfi DP, et al. (2026) Insights to Orientation Dependence of Molecular Conduction Modeled by High-Level Quantum Embedding. *Journal of computational chemistry*, 47(17), e70442.

Morris AB, et al. (2025) Fgl2 regulates Fc γ RIIB+CD8+ T cell responses during infection. *JCI insight*, 10(7).

Carvalho C, et al. (2025) Adherence to the EAT-Lancet Planetary Health Diet in Portugal and its associations with socioeconomic and lifestyle factors. *European journal of nutrition*, 64(4), 152.

Valuskova Z, et al. (2025) RVd and CyBorD therapies remodel B-cell maturation signaling and alter immune and clonal architecture in multiple myeloma. *Cancer biology & therapy*, 26(1), 2603100.

Stritt C, et al. (2025) Gene conversion and duplication contribute to genetic variation in an outbreak of *Mycobacterium tuberculosis*. *Microbial genomics*, 11(5).

Behr NJ, et al. (2025) High content imaging shows distinct macrophage and dendritic cell phenotypes for psoriasis and atopic dermatitis. *Scientific reports*, 15(1), 18904.

Desbouys L, et al. (2025) Primary school children exhibit socioeconomic inequalities in their usual beverage consumption: baseline assessment of the DRINK trial. *Archives of public health = Archives belges de sante publique*, 83(1), 239.

Ke J, et al. (2025) High-resolution mapping of single cells in spatial context. *Nature communications*, 16(1), 6533.

Bai Y, et al. (2025) Research on concept generation design of automobile seats based on human-machine co-creation. *Scientific reports*, 15(1), 32223.

de Queiroz BR, et al. (2025) Axonal RNA localization is essential for long-term memory. *Nature communications*, 16(1), 2560.

Henze L, et al. (2025) Testosterone affects female CD4⁺ T cells in healthy individuals and autoimmune liver diseases. *JCI insight*, 10(8).

Borkent JW, et al. (2025) A vegan dietary pattern is associated with high prevalence of inadequate protein intake in older adults; a simulation study. *The journal of nutrition, health & aging*, 29(5), 100536.

Yi J, et al. (2025) Elastin-derived extracellular matrix fragments drive aging through innate immune activation. *Nature aging*, 5(12), 2380.

Sim HB, et al. (2025) Reading the immune clock: a machine learning model predicts mouse immune age from cellular patterns. *Nature communications*, 17(1), 640.

Cholujova D, et al. (2025) CyTOF profiling of bone marrow immune dynamics across myeloma stages. *Oncoimmunology*, 14(1), 2542333.