

Resource Summary Report

Generated by ASWG on Aug 4, 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 application, data processing software, data analysis software, software resource, data visualization 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: 20260804T043130+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 275 mentions in open access literature.

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

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

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.

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

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

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.

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

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.

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

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

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

Wanders AJ, et al. (2025) Replacing Animal Meat with Plant-Based Meat Alternatives: The Impact of Protein Quality on Protein Adequacy in the Dutch Diet. *Current developments in nutrition*, 9(3), 104562.

den Hollander NHM, et al. (2025) Batch-to-Batch Variation and Patient Heterogeneity in Thymoglobulin Binding and Specificity: One Size Does Not Fit All. *Journal of clinical medicine*, 14(2).

Abdi-Sargezeh B, et al. (2025) EEG-to-EEG: Scalp-to-Intracranial EEG Translation Using a Combination of Variational Autoencoder and Generative Adversarial Networks. *Sensors (Basel, Switzerland)*, 25(2).

Tu TH, et al. (2025) The identification of a SARs-CoV2 S2 protein derived peptide with super-antigen-like stimulatory properties on T-cells. *Communications biology*, 8(1), 14.

Li P, et al. (2025) Characterization of bla NDM-5-carrying plasmids in two clinical *Salmonella* isolates from Jiaxing city, China. *Frontiers in microbiology*, 16, 1620907.

Geier C, et al. (2025) Spectral cytometry of rheumatoid arthritis patients implicates myeloid dendritic cells and granular HLA-DR+CD15+CD16+ cells in pro-inflammatory antigen presentation. *Frontiers in immunology*, 16, 1596609.

Austin JD, et al. (2025) Advancing Care Team Adoption of Electronic Health Record Systems for Cancer Symptom Management: Findings From a Hybrid Type II, Cluster-Randomized, Stepped-Wedge Trial. *JCO oncology practice*, 21(2), 209.

Cheng HY, et al. (2025) Phagosome-mediated anti-bacterial immunity is governed by the proton-activated chloride channel in peritoneal macrophages. *bioRxiv : the preprint server for biology*.

Liu Y, et al. (2025) Selective laser cleaning of microbeads using deep learning. *Scientific reports*, 15(1), 15160.