

Resource Summary Report

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ImmuneSpace

RRID:SCR_010508

Type: Tool

Proper Citation

ImmuneSpace (RRID:SCR_010508)

Resource Information

URL: <https://www.immunespace.org/>

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Description: A consortium of university groups to characterize human immune populations. The Human Immunology Project Consortium (HIPC) program, established in 2010 by the NIAID Division of Allergy, Immunology, and Transplantation, is a major collaborative effort that is generating large amounts of cross-center and cross-assay data including high-dimensional data to characterize the status of the immune system in diverse populations under both normal conditions and in response to stimuli. This large data problem has given birth to ImmuneSpace, a powerful data management and analysis engine where datasets can be easily explored and analyzed using state-of-the-art computational tools.

Synonyms: immune space, Immunespace.org

Resource Type: data or information resource, organization portal, portal

Keywords: immunology

Funding: NIAID

Resource Name: ImmuneSpace

Resource ID: SCR_010508

Alternate IDs: nlx_158717

Record Creation Time: 20220129T080259+0000

Record Last Update: 20260912T200100+0000

Ratings and Alerts

No rating or validation information has been found for ImmuneSpace.

No alerts have been found for ImmuneSpace.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Anderson LN, et al. (2025) Computational tools and data integration to accelerate vaccine development: challenges, opportunities, and future directions. *Frontiers in immunology*, 16, 1502484.

Masson HO, et al. (2023) ImmCellFie: A user-friendly web-based platform to infer metabolic function from omics data. *STAR protocols*, 4(1), 102069.

Fourati S, et al. (2022) Pan-vaccine analysis reveals innate immune endotypes predictive of antibody responses to vaccination. *Nature immunology*, 23(12), 1777.

D'Souza MP, et al. (2021) Mind the gap from research laboratory to clinic: Challenges and opportunities for next-generation assays in human diseases. *Vaccine*, 39(37), 5233.

Zielinski JM, et al. (2021) High Throughput Multi-Omics Approaches for Clinical Trial Evaluation and Drug Discovery. *Frontiers in immunology*, 12, 590742.

Bukhari SAC, et al. (2021) LinkedImm: a linked data graph database for integrating immunological data. *BMC bioinformatics*, 22(Suppl 9), 105.

Kotliarov Y, et al. (2020) Broad immune activation underlies shared set point signatures for vaccine responsiveness in healthy individuals and disease activity in patients with lupus. *Nature medicine*, 26(4), 618.

Hao Shi , et al. (2020) Network Approaches for Dissecting the Immune System. *iScience*, 23(8), 101354.

Kalayci S, et al. (2019) ImmuneRegulation: a web-based tool for identifying human immune regulatory elements. *Nucleic acids research*, 47(W1), W142.

Bhattacharya S, et al. (2018) ImmPort, toward repurposing of open access immunological assay data for translational and clinical research. *Scientific data*, 5, 180015.

Mougin F, et al. (2018) Visualizing omics and clinical data: Which challenges for dealing with their variety? *Methods (San Diego, Calif.)*, 132, 3.

Zimmermann MT, et al. (2017) Integration of Immune Cell Populations, mRNA-Seq, and CpG Methylation to Better Predict Humoral Immunity to Influenza Vaccination: Dependence of mRNA-Seq/CpG Methylation on Immune Cell Populations. *Frontiers in immunology*, 8, 445.

Allenspach EJ, et al. (2017) Absence of functional fetal regulatory T cells in humans causes in utero organ-specific autoimmunity. *The Journal of allergy and clinical immunology*, 140(2), 616.

Finak G, et al. (2016) Standardizing Flow Cytometry Immunophenotyping Analysis from the Human ImmunoPhenotyping Consortium. *Scientific reports*, 6, 20686.