

Resource Summary Report

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immunarch

RRID:SCR_023089

Type: Tool

Proper Citation

immunarch (RRID:SCR_023089)

Resource Information

URL: <https://immunarch.com/>

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Description: Software R package for exploration of single-cell and bulk T-cell/antibody immune repertoires. Framework for bioinformatics exploratory analysis of bulk and single-cell T-cell receptor and antibody repertoires.

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

Keywords: exploratory analysis, bulk and single-cell T-cell receptor, antibody repertoires

Availability: Free, Available for download, Freely available

Resource Name: immunarch

Resource ID: SCR_023089

Alternate URLs: <http://doi.org/10.5281/zenodo.3367200>, <https://CRAN.R-project.org/package=immunarch>, <https://github.com/immunomind/immunarch/tree/0.9.0>

License: AGPL-3

Record Creation Time: 20221230T050203+0000

Record Last Update: 20260803T040850+0000

Ratings and Alerts

No rating or validation information has been found for immunarch.

No alerts have been found for immunarch.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 25 mentions in open access literature.

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

Yan C, et al. (2026) RAS/MEK/PI3K pathway inhibition augments response to CD40 agonism by targeting CD11b+ Bregs thereby overcoming melanoma PD1-resistance. Nature communications, 17(1), 162.

Gong Z, et al. (2025) Unveiling the immunological landscape of disseminated tuberculosis: a single-cell transcriptome perspective. Frontiers in immunology, 16, 1527592.

Li E, et al. (2025) Single-cell sequencing on PBMCs from patients with HA and HB with inhibitors reveals different immune responses to FVIII and FIX. Blood advances, 9(15), 3967.

Jacobs BM, et al. (2025) Single-cell analysis of cerebrospinal fluid reveals common features of neuroinflammation. Cell reports. Medicine, 6(1), 101733.

Loyal L, et al. (2025) Aging and Viral Evolution Impair Immunity Against Dominant Pan-Coronavirus-Reactive T Cell Epitope. European journal of immunology, 55(7), e51888.

Dai Y, et al. (2025) PPP2R1A mutations portend improved survival after cancer immunotherapy. Nature, 644(8076), 537.

Wang P, et al. (2025) Immunopipe: a comprehensive and flexible scRNA-seq and scTCR-seq data analysis pipeline. NAR genomics and bioinformatics, 7(2), lqaf063.

Liu J, et al. (2025) Precision targeting of autoreactive B cells in systemic lupus erythematosus using anti-9G4 idiotope synthetic immune receptor T cells. bioRxiv : the preprint server for biology.

Zhanzak Z, et al. (2025) Identification of indirect CD4+ T cell epitopes associated with transplant rejection provides a target for donor-specific tolerance induction. Immunity, 58(2), 448.

Wang Y, et al. (2025) Cognate interaction-dependent pathogenicity of meningeal B cells drives neuroinflammation relapse. Immunity, 58(9), 2256.

Sureshchandra S, et al. (2025) Deep profiling of human T cells defines compartmentalized clones and phenotypic trajectories across blood and tonsils. Immunity, 58(12), 3130.

Huang J, et al. (2024) Bioinformatics tools and resources for cancer and application. Chinese medical journal, 137(17), 2052.

Che Y, et al. (2024) Induced B-Cell Receptor Diversity Predicts PD-1 Blockade Immunotherapy Response. *bioRxiv : the preprint server for biology*.

Roider T, et al. (2024) Multimodal and spatially resolved profiling identifies distinct patterns of T cell infiltration in nodal B cell lymphoma entities. *Nature cell biology*, 26(3), 478.

Jing Z, et al. (2024) Fine-tuning spatial-temporal dynamics and surface receptor expression support plasma cell-intrinsic longevity. *eLife*, 12.

Aba Ü, et al. (2024) A Novel Homozygous Germline Mutation in Transferrin Receptor 1 (TfR1) Leads to Combined Immunodeficiency and Provides New Insights into Iron-Immunity Axis. *Journal of clinical immunology*, 44(2), 55.

Liu W, et al. (2024) An immune cell map of human lung adenocarcinoma development reveals an anti-tumoral role of the Tfh-dependent tertiary lymphoid structure. *Cell reports. Medicine*, 5(3), 101448.

Giovenzana A, et al. (2024) Fat-to-blood recirculation of partially dysfunctional PD-1+CD4 Tconv cells is associated with dysglycemia in human obesity. *iScience*, 27(3), 109032.

Chun D, et al. (2024) Flt3L enhances clonal diversification and selective expansion of intratumoral CD8+ T cells while differentiating into effector-like cells. *Cell reports*, 43(12), 115023.

Kim CG, et al. (2023) Prior antibiotic administration disrupts anti-PD-1 responses in advanced gastric cancer by altering the gut microbiome and systemic immune response. *Cell reports. Medicine*, 4(11), 101251.