

Resource Summary Report

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ImmGen

RRID:SCR_021792

Type: Tool

Proper Citation

ImmGen (RRID:SCR_021792)

Resource Information

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

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Description: Project combines immunology and computational biology laboratories in effort to establish complete road map of gene-expression and regulatory networks in all immune cells. Project will generate, with rigorously standardized conditions, complete compendium of genome-wide data sets showing expression of protein-coding genes for all defined cell populations of mouse immune system.

Synonyms: Immunological Genome Project

Resource Type: data or information resource, database

Defining Citation: [PMID:18800157](#), [PMID:32978299](#)

Keywords: gene expression, regulatory networks, all immune cells, protein coding genes, mouse immune system

Funding: NIAID R24 AI072073

Availability: Free, Freely available

Resource Name: ImmGen

Resource ID: SCR_021792

Record Creation Time: 20220129T080357+0000

Record Last Update: 20260912T200220+0000

Ratings and Alerts

No rating or validation information has been found for ImmGen.

No alerts have been found for ImmGen.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 317 mentions in open access literature.

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

Selvaratnam JS, et al. (2026) HEB collaborates with TCR signaling to upregulate Id3 and enable ??T17 cell maturation in the fetal thymus. eLife, 14.

Vanneste D, et al. (2026) MafB is a conserved transcriptional regulator of macrophage development and functional identity across tissues and species. Immunity, 59(3), 559.

Cerezo-Wallis D, et al. (2026) Architecture of the neutrophil compartment. Nature, 649(8098), 1003.

Lee JM, et al. (2026) Stability and progressive differentiation of TFR cells are intrinsically and extrinsically controlled by TFH programs. Nature immunology, 27(2), 336.

Hu X, et al. (2026) Immune gene diversity and STING1 variants in shaping cancer immunity across different genetic ancestry populations. Cell reports, 45(2), 116882.

Feng JX, et al. (2026) Single-cell lineage tracing identifies hemogenic endothelial cells in the adult mouse bone marrow. eLife, 15.

Caballero-Sánchez N, et al. (2026) BACH1 orchestrates macrophage state transitions to coordinate regenerative inflammation. Journal of immunology (Baltimore, Md. : 1950), 215(6).

Hu H, et al. (2026) CD8+ T cells are primed by cDC1 and exacerbate tau-mediated neurodegeneration. bioRxiv : the preprint server for biology.

Hanna BS, et al. (2026) Regulatory T cells safeguard liver health during metabolic-associated steatohepatitis. Proceedings of the National Academy of Sciences of the United States of America, 123(8), e2536314123.

Xie X, et al. (2026) Protocol for identifying recirculating thymic regulatory T cells and characterizing the role of Eos in their function using scRNA-seq and TCR-seq. STAR protocols, 7(2), 104620.

Golec DP, et al. (2026) A PI3K?-Foxo1-FasL signaling amplification loop rewires CD4+ T cell signaling and differentiation. The Journal of experimental medicine, 223(4).

Shi Y, et al. (2026) T cell-intrinsic PRR signaling in immunity and pathology. *Acta biochimica et biophysica Sinica*, 58(1), 39.

Tam H, et al. (2026) Splenic cDC1 efferocytosis and cross-presentation to CD8 T cells are promoted by GPR34 and lysophosphatidylserine. *The Journal of experimental medicine*, 223(1).

Cinti I, et al. (2026) Functional responses of lymphoid stromal cells to Toll-like receptor stimuli in vitro. *Discovery immunology*, 5(1), kyag008.

Leviatan Ben-Arye S, et al. (2026) An atlas of human siglecs integrates expression, affinity, and cis/trans sialoglycan recognition profiles. *Nature communications*, 17(1).

Ran S, et al. (2026) The MEK1/2-IRF4 axis fosters T follicular helper cell differentiation and antitumor humoral immune response. *Journal of translational medicine*, 24(1).

Bossowski JP, et al. (2026) The integrated stress response promotes immune evasion through lipocalin 2. *Nature*, 652(8112), 1329.

Ristin S, et al. (2026) Asymmetry and redundancy of STAT5 paralogs across CD8⁺ T cell differentiation states. *Communications biology*, 9(1).

Winkler M, et al. (2026) Consequences of the perivascular niche remodeling for tumoricidal T-cell trafficking into metastasis of ovarian cancer. *ImmunoHorizons*, 10(2).

Guo W, et al. (2026) Comparative single cell analysis of wound and cancer identifies the metabolic dialogues between tumor initiating stem cells and macrophages. *bioRxiv : the preprint server for biology*.