Resource Summary Report

Generated by <u>NIF</u> on May 12, 2025

The Immunology Database and Analysis Portal (ImmPort)

RRID:SCR_012804 Type: Tool

Proper Citation

The Immunology Database and Analysis Portal (ImmPort) (RRID:SCR_012804)

Resource Information

URL: https://www.immport.org/home

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Description: Data sharing repository of clinical trials, associated mechanistic studies, and other basic and applied immunology research programs. Platform to store, analyze, and exchange datasets for immune mediated diseases. Data supplied by NIAID/DAIT funded investigators and genomic, proteomic, and other data relevant to research of these programs extracted from public databases. Provides data analysis tools and immunology focused ontology to advance research in basic and clinical immunology.

Abbreviations: ImmPort

Synonyms: Immunology Data and Analysis Portal, ImmPort system, ImmPort, Immunology Database and Analysis Portal

Resource Type: storage service resource, portal, data or information resource, service resource, database, controlled vocabulary, disease-related portal, ontology, data repository, topical portal

Defining Citation: PMID:24791905

Keywords: immunology, basic, clinical, data, share, store, analyze, exchange, dataset, immune, mediated, disease, analysis, tool, FASEB list

Related Condition: Immune mediated disease

Funding: NIH ; NIAID ; DAIT ; NIAID HHSN266200400076C; NIAID HHSN272201200028C

Availability: Free, Freely available

Resource Name: The Immunology Database and Analysis Portal (ImmPort)

Resource ID: SCR_012804

Alternate IDs: nlx_152691

Alternate URLs: http://www.immport.org/immport-open/public/home/home, http://www.immport.org/

Old URLs: http://www.immport.org

License URLs: http://www.immport.org/immport-open/public/home/studySearch, http://www.immport.org/immport-open/public/home/dataSubmission

Record Creation Time: 20220129T080312+0000

Record Last Update: 20250509T060014+0000

Ratings and Alerts

No rating or validation information has been found for The Immunology Database and Analysis Portal (ImmPort).

No alerts have been found for The Immunology Database and Analysis Portal (ImmPort).

Data and Source Information

Source: <u>SciCrunch Registry</u>

Usage and Citation Metrics

We found 856 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>NIF</u>.

Liao Z, et al. (2025) Identification of novel biomarkers for lupus nephritis. Biomolecules & biomedicine, 25(2), 406.

Jiang G, et al. (2025) Immune-related gene SOX10 affects ferroptosis in pancreatic cancer and facilitates tumor progression by targeting CMTM7-mediated Wnt/?-catenin signaling pathway. European journal of medical research, 30(1), 5.

Song W, et al. (2025) Role of immune cell homeostasis in research and treatment response in hepatocellular carcinoma. Clinical and experimental medicine, 25(1), 42.

Hu F, et al. (2025) TLR7: A Key Prognostic Biomarker and Immunotherapeutic Target in Lung Adenocarcinoma. Biomedicines, 13(1).

Fan Y, et al. (2025) Single-cell RNA-seq analysis reveals microenvironmental infiltration of myeloid cells and pancreatic prognostic markers in PDAC. Discover oncology, 16(1), 81.

Wang Z, et al. (2025) Development of immune-derived molecular markers for preeclampsia based on multiple machine learning algorithms. Scientific reports, 15(1), 1767.

Wang S, et al. (2025) Ferroptosis-related genes participate in the microglia-induced neuroinflammation of spinal cord injury via NF-?B signaling: evidence from integrated single-cell and spatial transcriptomic analysis. Journal of translational medicine, 23(1), 43.

Zhan J, et al. (2025) Immunomodulatory insights of monoterpene glycosides in endometriosis: immune infiltration and target pathways analysis. Hereditas, 162(1), 1.

Zhao X, et al. (2025) CITMIC: Comprehensive Estimation of Cell Infiltration in Tumor Microenvironment based on Individualized Intercellular Crosstalk. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(1), e2408007.

Jiang F, et al. (2025) BMP6, a potential biomarker of inflammatory fibrosis and promising protective factor for dilated cardiomyopathy. Chinese medicine, 20(1), 12.

Jin R, et al. (2025) Prognostic Value of Insulin Growth Factor-Like Receptor 1 (IGFLR1) in Stage II and III Colorectal Cancer and Its Association with Immune Cell Infiltration. Applied biochemistry and biotechnology, 197(1), 427.

Zhou S, et al. (2025) The cGAS-STING-interferon regulatory factor 7 pathway regulates neuroinflammation in Parkinson's disease. Neural regeneration research, 20(8), 2361.

Wang H, et al. (2025) Combining machine learning and single-cell sequencing to identify key immune genes in sepsis. Scientific reports, 15(1), 1557.

Wang J, et al. (2025) Comparing acute versus AIDS ART initiation on HIV-1 integration sites and clonal expansion. Signal transduction and targeted therapy, 10(1), 23.

Zhang S, et al. (2025) Integrative single-cell and multi-omics analyses reveal ferroptosisassociated gene expression and immune microenvironment heterogeneity in gastric cancer. Discover oncology, 16(1), 57.

Mao X, et al. (2024) Apelin (APLN) is a biomarker contributing to the diagnosis and

prognosis of hepatocellular carcinoma. Scientific reports, 14(1), 20441.

Zhang W, et al. (2024) Pan-cancer evaluation of regulated cell death to predict overall survival and immune checkpoint inhibitor response. NPJ precision oncology, 8(1), 77.

Liang W, et al. (2024) Investigating gene signatures associated with immunity in colon adenocarcinoma to predict the immunotherapy effectiveness using NFM and WGCNA algorithms. Aging, 16(9), 7596.

Mao X, et al. (2024) The identification of a N6-methyladenosin-modifed immune pattern to predict immunotherapy response and survival in urothelial carcinoma. Aging, 16(9), 7774.

Yin J, et al. (2024) Integrated analysis of m6A regulator-mediated RNA methylation modification patterns and immune characteristics in Sjögren's syndrome. Heliyon, 10(7), e28645.