

# Resource Summary Report

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## [projecTILs](#)

RRID:SCR\_026854

Type: Tool

### Proper Citation

projecTILs (RRID:SCR\_026854)

### Resource Information

**URL:** <https://github.com/carmonalab/ProjecTILs>

**Proper Citation:** projecTILs (RRID:SCR\_026854)

**Description:** Software tool to project scRNA-seq data into reference single-cell atlases, enabling their direct comparison in stable, annotated system of coordinates. Predicts effects of cell perturbations and identifies gene programs that are altered in different conditions and tissues. Used for interpretation of cell states using reference single-cell maps.

**Resource Type:** source code, software application, software resource

**Defining Citation:** [PMID:34017005](#)

**Keywords:** Predict effects of cell perturbatio, project scRNA-seq data into reference single-cell atlases, identifies gene programs, interpretation of cell states, reference single-cell maps,

**Funding:** Swiss National Science Foundation

**Availability:** Free, Available for download, Freely available

**Resource Name:** projecTILs

**Resource ID:** SCR\_026854

**License:** GNU GPL v3

**Record Creation Time:** 20250429T054934+0000

**Record Last Update:** 20260815T042950+0000

### Ratings and Alerts

No rating or validation information has been found for projectILs.

No alerts have been found for projectILs.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 40 mentions in open access literature.

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

Yamada H, et al. (2026) Integrative analysis of T cell subset-specific ICOS expression and tumor HLA class I/II expression in lung adenocarcinoma: implications for their interaction and clinical outcome. *Cancer immunology, immunotherapy* : CII, 75(3).

Friedrich MJ, et al. (2026) Transient hepatic reconstitution of trophic factors enhances aged immunity. *Nature*, 650(8101), 481.

Huerga Encabo H, et al. (2026) Human TET2-Mutant Clonal Hematopoiesis Expansion Is Driven by Distinct Inflammatory Signaling Responses in Stem Cells Versus Myeloid Progeny. *Blood cancer discovery*, 7(2), 287.

Ferry SL, et al. (2026) Systemic pre-conditioning favors effector over exhausted CD8 T-cell subsets following Sup2-IL33 armored CAR T-cell therapy. *Journal for immunotherapy of cancer*, 14(6).

Zhang R, et al. (2026) Chimeric MHC class I- and II-restricted non-self epitopes broaden antitumor T cell reactions. *The Journal of experimental medicine*, 223(2).

de Menezes MN, et al. (2026) High efficiency CRISPR knock-in demonstrates that TCF1 is insufficient to reverse T cell exhaustion. *Nature communications*, 17(1).

Xiong Z, et al. (2026) C/EBP $\beta$ -induced alternative splicing of RCAN1 generates a potent TCR-T target in mesenchymal glioblastoma. *Cellular & molecular immunology*, 23(1), 94.

Bui TM, et al. (2026) Identification of cycling regulatory T cell precursors as conductors of immune escape during breast carcinoma progression. *Cancer cell*, 44(6), 1179.

Foidart P, et al. (2026) Whole-genome doubling drives immune evasion by silencing antigen presentation. *Cancer cell*, 44(7), 1418.

Leshem R, et al. (2025) Combined PARP14 inhibition and PD-1 blockade promotes cytotoxic T cell quiescence and modulates macrophage polarization in relapsed melanoma. *Journal for immunotherapy of cancer*, 13(1).

Fattizzo B, et al. (2025) Bone marrow microenvironment in autoimmune hemolytic anemia: from trephine biopsy to single cell RNA sequencing. *Signal transduction and targeted*

therapy, 10(1), 277.

Murata K, et al. (2025) An SNP-dependent cancer-testis antigenic epitope serves as a promising immunotherapeutic target for cancer. *Oncoimmunology*, 14(1), 2528110.

Niekamp P, et al. (2025) The Nuclear Receptor NR1B1/RAR $\gamma$  Arrests the Differentiation of Anti-Tumor Effector Cytotoxic T Cells. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(17), e2410241.

Lv X, et al. (2025) Targeting the disrupted Hippo signaling to prevent neoplastic renal epithelial cell immune evasion. *Nature communications*, 16(1), 2858.

Jiménez-Lasheras B, et al. (2025) NEDDylation Regulates CD8<sup>+</sup> T-cell Metabolism and Antitumor Immunity. *Cancer immunology research*, 13(7), 1004.

Song Y, et al. (2025) Prognostic and therapeutic potential of disulfidptosis-related genes in colon adenocarcinoma: a comprehensive multi-omics study. *Cancer cell international*, 25(1), 226.

Takahashi M, et al. (2025) A pan-immunotherapy signature to predict intratumoral CD8<sup>+</sup> T cell expansions. *Nature communications*, 16(1), 9175.

Lischetti U, et al. (2025) Ovarian cancer metastasis to the human omentum disrupts organ homeostasis and induces fundamental tissue reprogramming. *Nature communications*, 17(1), 849.

Alicea Pauneto CDM, et al. (2025) Intra-tumoral hypoxia promotes CD8<sup>+</sup> T cell dysfunction via chronic activation of integrated stress response transcription factor ATF4. *Immunity*.

Fortelny N, et al. (2024) JAK-STAT signaling maintains homeostasis in T cells and macrophages. *Nature immunology*, 25(5), 847.