

# Posttranscriptional Control of T Cell Effector Function

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Sweet Nothings: Sensing of Sugar Metabolites Controls T Cell Function. <i>Cell Metabolism</i> , 2013, 18, 7-8.	7.2	5
2	Rapid effector function of memory CD8+ T cells requires an immediate-early glycolytic switch. <i>Nature Immunology</i> , 2013, 14, 1064-1072.	7.0	436
3	Lineage relationship of effector and memory T cells. <i>Current Opinion in Immunology</i> , 2013, 25, 556-563.	2.4	173
4	Fueling Immunity: Insights into Metabolism and Lymphocyte Function. <i>Science</i> , 2013, 342, 1242454.	6.0	1,070
5	The transcription factor IRF4 is essential for TCR affinity-mediated metabolic programming and clonal expansion of T cells. <i>Nature Immunology</i> , 2013, 14, 1155-1165.	7.0	337
6	What is the point of Warburg?. <i>Nature Reviews Immunology</i> , 2013, 13, 472-473.	10.6	5
7	Fueling Function Over Expansion in T Cells. <i>Science</i> , 2013, 341, 37-38.	6.0	4
8	How Metabolism Generates Signals during Innate Immunity and Inflammation. <i>Journal of Biological Chemistry</i> , 2013, 288, 22893-22898.	1.6	188
9	Modulation of T Cell Metabolism and Function through Calcium Signaling. <i>Frontiers in Immunology</i> , 2013, 4, 324.	2.2	83
10	Metabolic changes in cardiomyocytes during sepsis. <i>Critical Care</i> , 2013, 17, .	2.5	5
11	Protein Phosphatase 2A Enables Expression of Interleukin 17 (IL-17) through Chromatin Remodeling. <i>Journal of Biological Chemistry</i> , 2013, 288, 26775-26784.	1.6	77
12	TCR-Engineered T Cells Meet New Challenges to Treat Solid Tumors: Choice of Antigen, T Cell Fitness, and Sensitization of Tumor Milieu. <i>Frontiers in Immunology</i> , 2013, 4, 363.	2.2	70
13	The mTOR pathway and integrating immune regulation. <i>Immunology</i> , 2013, 140, 391-398.	2.0	88
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16	Inhibiting glycolytic metabolism enhances CD8+ T cell memory and antitumor function. <i>Journal of Clinical Investigation</i> , 2013, 123, 4479-4488.	3.9	719
17	Tripartite Motif-Containing Protein 30 Modulates TCR-Activated Proliferation and Effector Functions in CD4+ T Cells. <i>PLoS ONE</i> , 2014, 9, e95805.	1.1	17
18	The short and sweet of T-cell therapy. <i>Oncolmmunology</i> , 2014, 3, e27573.	2.1	6
19	c-Myc-induced transcription factor AP4 is required for host protection mediated by CD8+ T cells. <i>Nature Immunology</i> , 2014, 15, 884-893.	7.0	85

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21	Inflammation: Gone with Translation. <i>PLoS Genetics</i> , 2014, 10, e1004442.	1.5	1
22	IRF4 links antigen affinity to CD8 <sup>+</sup> T cell metabolism. <i>Immunology and Cell Biology</i> , 2014, 92, 6-7.	1.0	6
23	When Erythropoietin Meddles in Immune Affairs. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 1887-1889.	3.0	5
24	Gene Targeting RhoA Reveals Its Essential Role in Coordinating Mitochondrial Function and Thymocyte Development. <i>Journal of Immunology</i> , 2014, 193, 5973-5982.	0.4	37
25	Dual Proteolytic Pathways Govern Glycolysis and Immune Competence. <i>Cell</i> , 2014, 159, 1578-1590.	13.5	54
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32	Biochemical Signaling of PD-1 on T Cells and Its Functional Implications. <i>Cancer Journal (Sudbury, Tj ETQq1 1 0.784314 rgBT /Overlook</i>	1.0	146
33	Promoting Thiol Expression Increases the Durability of Antitumor T-cell Functions. <i>Cancer Research</i> , 2014, 74, 6036-6047.	0.4	34
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36	Nutrient Sensing via mTOR in T Cells Maintains a Tolerogenic Microenvironment. <i>Frontiers in Immunology</i> , 2014, 5, 409.	2.2	63
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56	Metabolic control of cell death. Science, 2014, 345, 1250256.	6.0	527
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92	Aerobic Glycolysis: Beyond Proliferation. <i>Frontiers in Immunology</i> , 2015, 6, 227.	2.2	92
93	Targeting CD8 T-Cell Metabolism in Transplantation. <i>Frontiers in Immunology</i> , 2015, 6, 547.	2.2	26

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141	Metabolic Enzymes Enjoying New Partnerships as RNA-Binding Proteins. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 746-757.	3.1	219
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164	mTOR Modulates Lymphocyte Differentiation through T-bet and Eomesodermin in Response to Invasive Pulmonary Aspergillosis in Rats. <i>Chinese Medical Journal</i> , 2016, 129, 1704-1710.	0.9	12
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1215	Ethyl pyruvate, a versatile protector in inflammation and autoimmunity. <i>Inflammation Research</i> , 2022, 71, 169-182.	1.6	8
1216	Remodeling metabolic fitness: Strategies for improving the efficacy of chimeric antigen receptor T cell therapy. <i>Cancer Letters</i> , 2022, 529, 139-152.	3.2	18



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1218	Fighting in a wasteland: deleterious metabolites and antitumor immunity. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	21
1219	Identification of rare cell populations in autofluorescence lifetime image data. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2022, 101, 497-506.	1.1	7
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1221	Metabolic adaptation of lymphocytes in immunity and disease. <i>Immunity</i> , 2022, 55, 14-30.	6.6	91
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1224	G6PD functions as a metabolic checkpoint to regulate granzyme B expression in tumor-specific cytotoxic T lymphocytes. , 2022, 10, e003543.		10
1225	Hyperglycemia and Not Hyperinsulinemia Mediates Diabetes-Induced Memory CD8 T-Cell Dysfunction. <i>Diabetes</i> , 2022, 71, 706-721.	0.3	19
1226	Mitochondria and Viral Infection: Advances and Emerging Battlefronts. <i>MBio</i> , 2022, 13, e0209621.	1.8	10
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1230	Disrupting N-glycan expression on tumor cells boosts chimeric antigen receptor T cell efficacy against solid malignancies. <i>Science Translational Medicine</i> , 2022, 14, eabg3072.	5.8	47
1231	Altered Basal Lipid Metabolism Underlies the Functional Impairment of Naive CD8+ T Cells in Elderly Humans. <i>Journal of Immunology</i> , 2022, 208, 562-570.	0.4	15
1232	Immunometabolism in biofilm infection: lessons from cancer. <i>Molecular Medicine</i> , 2022, 28, 10.	1.9	18
1233	T Cell Responses to the Microbiota. <i>Annual Review of Immunology</i> , 2022, 40, 559-587.	9.5	42
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1235	æ°·àŸ°é...æ,,ŸçŸŸç³»ç»ŸmTORC1á'ÆGCN2è°fæŽšæœ°ä1/2“ä...ç-«ç»Tèfžãé,²ã€á^tâCE-âššŸèf1/2çš,,ä1/2œç””æœ°â^Ÿ. Scientia Sinica		
1238	The Effect of Hypoxia and Hypoxia-Associated Pathways in the Regulation of Antitumor Response: Friends or Foes?. <i>Frontiers in Immunology</i> , 2022, 13, 828875.	2.2	31
1239	Metabolic modulation of immune checkpoints and novel therapeutic strategies in cancer. <i>Seminars in Cancer Biology</i> , 2022, 86, 542-565.	4.3	51
1240	Metformin attenuated sepsis-associated liver injury and inflammatory response in aged mice. <i>Bioengineered</i> , 2022, 13, 4598-4609.	1.4	10
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1244	Itaconate indirectly influences expansion of effector T cells following vaccination with <i>Francisella tularensis</i> live vaccine strain. <i>Cellular Immunology</i> , 2022, 373, 104485.	1.4	5
1245	Coenzyme A fuels TĀcell anti-tumor immunity. <i>Cell Metabolism</i> , 2021, 33, 2415-2427.e6.	7.2	31
1246	Targeting PI3K/Akt signal transduction for cancer therapy. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 425.	7.1	302
1247	Mitochondrial C5aR1 activity in macrophages controls IL-1Ā production underlying sterile inflammation. <i>Science Immunology</i> , 2021, 6, eabf2489.	5.6	50
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1250	Improving Cancer Immunotherapy: Exploring and Targeting Metabolism in Hypoxia Microenvironment. <i>Frontiers in Immunology</i> , 2022, 13, 845923.	2.2	11
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1252	New Developments in T Cell Immunometabolism and Implications for Cancer Immunotherapy. <i>Cells</i> , 2022, 11, 708.	1.8	8
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1256	Targeting tumor endothelial hyperglycolysis enhances immunotherapy through remodeling tumor microenvironment. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 1825-1839.	5.7	9

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1258	Identification of Distinct Inflammatory Programs and Biomarkers in Systemic Juvenile Idiopathic Arthritis and Related Lung Disease by Serum Proteome Analysis. <i>Arthritis and Rheumatology</i> , 2022, 74, 1271-1283.	2.9	24
1259	Nicotinamide breaks effector CD8 T cell responses by targeting mTOR signaling. <i>iScience</i> , 2022, 25, 103932.	1.9	4
1260	1,25-Dihydroxyvitamin D3 suppresses CD4 <sup>+</sup> T cell effector functionality by inhibition of glycolysis. <i>Immunology</i> , 2022, 166, 299-309.	2.0	6
1261	Immune Metabolism—An Opportunity to Better Understand Allergic Pathology and Improve Treatment of Allergic Diseases?. <i>Frontiers in Allergy</i> , 2022, 3, 825931.	1.2	7
1262	Allo-reactive tissue-resident T cells causing damage: An inside job. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	1
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1266	STAT3 Role in T-Cell Memory Formation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2878.	1.8	10
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1268	Superior antitumor immunotherapy efficacy of kynureninase modified CAR-T cells through targeting kynurenine metabolism. <i>Oncolimmunology</i> , 2022, 11, 2055703.	2.1	8
1269	Roles of RNA-binding proteins in immune diseases and cancer. <i>Seminars in Cancer Biology</i> , 2022, 86, 310-324.	4.3	14
1270	Sirtuins are crucial regulators of T cell metabolism and functions. <i>Experimental and Molecular Medicine</i> , 2022, 54, 207-215.	3.2	23
1271	CRISPR-Cas9 screen identifies oxidative phosphorylation as essential for cancer cell survival at low extracellular pH. <i>Cell Reports</i> , 2022, 38, 110493.	2.9	25
1272	Postbiotics Enhance NK Cell Activation in Stress-Induced Mice through Gut Microbiome Regulation. <i>Journal of Microbiology and Biotechnology</i> , 2022, 32, 612-620.	0.9	3
1273	Rewiring mitochondrial metabolism to counteract exhaustion of CAR-T cells. <i>Journal of Hematology and Oncology</i> , 2022, 15, 38.	6.9	20
1274	Clinically relevant T cell expansion media activate distinct metabolic programs uncoupled from cellular function. <i>Molecular Therapy - Methods and Clinical Development</i> , 2022, 24, 380-393.	1.8	12

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1277	A genome-scale gain-of-function CRISPR screen in CD8 T cells identifies proline metabolism as a means to enhance CAR-T therapy. <i>Cell Metabolism</i> , 2022, 34, 595-614.e14.	7.2	70
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1279	CAR T cell therapy and the tumor microenvironment: Current challenges and opportunities. <i>Molecular Therapy - Oncolytics</i> , 2022, 25, 69-77.	2.0	60
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1291	Immune Memory in Aging: a Wide Perspective Covering Microbiota, Brain, Metabolism, and Epigenetics. <i>Clinical Reviews in Allergy and Immunology</i> , 2022, 63, 499-529.	2.9	17
1293	Impacts and mechanisms of metabolic reprogramming of tumor microenvironment for immunotherapy in gastric cancer. <i>Cell Death and Disease</i> , 2022, 13, 378.	2.7	37
1294	IFN $\gamma$ Potentiates Anti-PD-1 Efficacy by Remodeling Glucose Metabolism in the Hepatocellular Carcinoma Microenvironment. <i>Cancer Discovery</i> , 2022, 12, 1718-1741.	7.7	66

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1296	Ex vivo activated CD4+ T cells from young calves exhibit Th2-biased effector function with distinct metabolic reprogramming compared to adult cows. <i>Veterinary Immunology and Immunopathology</i> , 2022, 248, 110418.	0.5	0
1325	Metabolism in atherosclerotic plaques: immunoregulatory mechanisms in the arterial wall. <i>Clinical Science</i> , 2022, 136, 435-454.	1.8	8
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1331	Resistance Mechanisms to Anti-PD Cancer Immunotherapy. <i>Annual Review of Immunology</i> , 2022, 40, 45-74.	9.5	122
1332	Loss of voltage-gated hydrogen channel 1 expression reveals heterogeneous metabolic adaptation to intracellular acidification by T cells. <i>JCI Insight</i> , 2022, 7, .	2.3	7
1333	The role of mitochondrial fission in cardiovascular health and disease. <i>Nature Reviews Cardiology</i> , 2022, 19, 723-736.	6.1	62
1334	HIF inhibitor 32-134D eradicates murine hepatocellular carcinoma in combination with anti-PD1 therapy. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	44
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1340	Metabolic reprogramming by ex vivo glutamine inhibition endows CAR-T cells with less-differentiated phenotype and persistent antitumor activity. <i>Cancer Letters</i> , 2022, 538, 215710.	3.2	17
1341	Tetrandrine, an immunosuppressive alkaloid isolated from <i>Steohania tetrandra</i> S. Moore, induces the generation of Treg cells through enhancing fatty acid oxidation. <i>Immunology</i> , 2022, 166, 492-506.	2.0	2

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1343	Targeting of the Peritumoral Adipose Tissue Microenvironment as an Innovative Antitumor Therapeutic Strategy. <i>Biomolecules</i> , 2022, 12, 702.	1.8	3
1349	Emerging roles for RNA-binding proteins in T lymphocytes. <i>Immunology Letters</i> , 2022, 246, 52-56.	1.1	4
1350	The long noncoding RNA ADIPINT regulates human adipocyte metabolism via pyruvate carboxylase. <i>Nature Communications</i> , 2022, 13, .	5.8	11
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1352	Intracellular Acetyl CoA Potentiates the Therapeutic Efficacy of Antitumor CD8+ T Cells. <i>Cancer Research</i> , 2022, 82, 2640-2655.	0.4	13
1353	Enhanced T Cell Glucose Uptake Is Associated With Progression of Beta-Cell Function in Type 1 Diabetes. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	1
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1355	Lysophosphatidylserines derived from microbiota in Crohn's disease elicit pathological Th1 response. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	12
1360	Tumor Glycolytic Profiling Through 18F-FDG PET/CT Predicts Immune Checkpoint Inhibitor Efficacy in Advanced NSCLC. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
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1362	Atopy as Immune Dysregulation: Offender Genes and Targets. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2022, 10, 1737-1756.	2.0	15
1363	Phenotypic and Immunometabolic Aspects on Stem Cell Memory and Resident Memory CD8+ T Cells. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	1
1364	Elevated BCAA Suppresses the Development and Metastasis of Breast Cancer. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	10
1365	Obesity and adipose tissue impact on T-cell response and cancer immune checkpoint blockade therapy. <i>Immunotherapy Advances</i> , 2022, 2, .	1.2	5
1367	Elevated CD4+ T-cell glucose metabolism in HIV+ women with diabetes mellitus. <i>Aids</i> , 2022, 36, 1327-1336.	1.0	4
1368	Immune Checkpoint Proteins, Metabolism and Adhesion Molecules: Overlooked Determinants of CAR T-Cell Migration?. <i>Cells</i> , 2022, 11, 1854.	1.8	7
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1372	Fatty acid metabolism in T-cell function and differentiation. <i>International Immunology</i> , 2022, 34, 579-587.	1.8	11
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1375	Integrative understanding of immune-metabolic interaction. <i>BMB Reports</i> , 2022, 55, 259-266.	1.1	1
1376	Impaired Lymphocyte Responses in Pediatric Sepsis Vary by Pathogen Type and are Associated with Features of Immunometabolic Dysregulation. <i>Shock</i> , 2022, 57, 191-199.	1.0	7
1377	P2 Receptors: Novel Disease Markers and Metabolic Checkpoints in Immune Cells. <i>Biomolecules</i> , 2022, 12, 983.	1.8	6
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1379	A novel strategy to fuel cancer immunotherapy: targeting glucose metabolism to remodel the tumor microenvironment. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	7
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1384	Pathophysiology of RAGE in inflammatory diseases. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	44
1385	A prognostic Risk Score model for oral squamous cell carcinoma constructed by 6 glycolysis-immune-related genes. <i>BMC Oral Health</i> , 2022, 22, .	0.8	2
1386	The mutual interaction of glycolytic enzymes and RNA in post-transcriptional regulation. <i>Rna</i> , 2022, 28, 1446-1468.	1.6	6
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1388	Intestinal tissue-resident T cell activation depends on metabolite availability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	9

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1392	Carbon source availability drives nutrient utilization in CD8+ T cells. <i>Cell Metabolism</i> , 2022, 34, 1298-1311.e6.	7.2	47
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1399	Mitochondrial dysfunction triggers actin polymerization necessary for rapid glycolytic activation. <i>Journal of Cell Biology</i> , 2022, 221, .	2.3	4
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1404	Glycolysis in tumor microenvironment as a target to improve cancer immunotherapy. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	17
1405	Enforcing GLUT3 expression in CD8+ T cells improves fitness and tumor control by promoting glucose uptake and energy storage. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	7
1406	Metabolic plasticity and regulation of T cell exhaustion. <i>Immunology</i> , 2022, 167, 482-494.	2.0	14
1407	Lactate increases stemness of CD8+ T cells to augment anti-tumor immunity. <i>Nature Communications</i> , 2022, 13, .	5.8	88
1408	Predictive value of baseline metabolic tumor volume for non-small-cell lung cancer patients treated with immune checkpoint inhibitors: A meta-analysis. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	2
1409	Intracellular complement: Evidence, definitions, controversies, and solutions. <i>Immunological Reviews</i> , 2023, 313, 104-119.	2.8	13



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1412	NAMPT is a metabolic checkpoint of IFN $\beta$ -producing CD4+ T $\beta$ cells in lupus nephritis. <i>Molecular Therapy</i> , 2023, 31, 193-210.	3.7	6
1413	Siglec-7 represents a glyco-immune checkpoint for non-exhausted effector memory CD8+ T cells with high functional and metabolic capacities. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	9
1414	Oncometabolite $\alpha$ -KG alters T cell metabolism to impair CD8 <sup>+</sup> T cell function. <i>Science</i> , 2022, 377, 1519-1529.	6.0	85
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