

# Glucose feeds the TCA cycle via circulating lactate

Nature

551, 115-118

DOI: [10.1038/nature24057](https://doi.org/10.1038/nature24057)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Waste Not, Want Not: Lactate Oxidation Fuels the TCA Cycle. <i>Cell Metabolism</i> , 2017, 26, 803-804.	7.2	44
2	When Cancer Cells Are Given Lemo[NH <sub>3</sub> ] <sub>s</sub> , They Make Lemo[NH <sub>3</sub> ] <sub>ade</sub> . <i>Cell Metabolism</i> , 2017, 26, 811-813.	7.2	1
3	Feeding frenzy for cancer cells. <i>Science</i> , 2017, 358, 862-863.	6.0	8
4	Conscious decoupling. <i>Nature Reviews Cancer</i> , 2017, 17, 708-708.	12.8	3
5	Metabolic Plasiticy in Cancersâ€™ Distinct Role of Glycolytic Enzymes GPI, LDHs or Membrane Transporters MCTs. <i>Frontiers in Oncology</i> , 2017, 7, 313.	1.3	35
6	Lactate in the brain: from metabolic end-product to signalling molecule. <i>Nature Reviews Neuroscience</i> , 2018, 19, 235-249.	4.9	724
7	Stereoselective effects of lactate enantiomers on the enhancement of 3T3-L1 adipocyte differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 498, 105-110.	1.0	16
8	Interruption of lactate uptake by inhibiting mitochondrial pyruvate transport unravels direct antitumor and radiosensitizing effects. <i>Nature Communications</i> , 2018, 9, 1208.	5.8	124
9	Spatiotemporal Imaging of Cellular Energy Metabolism with Genetically-Encoded Fluorescent Sensors in Brain. <i>Neuroscience Bulletin</i> , 2018, 34, 875-886.	1.5	19
10	Killing two birds with one stone: Blocking the mitochondrial pyruvate carrier to inhibit lactate uptake by cancer cells and radiosensitize tumors. <i>Molecular and Cellular Oncology</i> , 2018, 5, e1465016.	0.3	4
11	Cancer-cell-secreted exosomal miR-105 promotes tumour growth through the MYC-dependent metabolic reprogramming of stromal cells. <i>Nature Cell Biology</i> , 2018, 20, 597-609.	4.6	306
12	Differential glucose requirement in skin homeostasis and injury identifies a therapeutic target for psoriasis. <i>Nature Medicine</i> , 2018, 24, 617-627.	15.2	117
13	The Science and Translation of Lactate Shuttle Theory. <i>Cell Metabolism</i> , 2018, 27, 757-785.	7.2	687
14	The mitochondrial citrate carrier, SLC25A1, drives stemness and therapy resistance in non-small cell lung cancer. <i>Cell Death and Differentiation</i> , 2018, 25, 1239-1258.	5.0	81
15	Metabolic reprogramming enables hepatocarcinoma cells to efficiently adapt and survive to a nutrient-restricted microenvironment. <i>Cell Cycle</i> , 2018, 17, 903-916.	1.3	73
16	All Inkjet-Printed Amperometric Multiplexed Biosensors Based on Nanostructured Conductive Hydrogel Electrodes. <i>Nano Letters</i> , 2018, 18, 3322-3327.	4.5	176
17	Lactate is oxidized outside of the mitochondrial matrix in rodent brain. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018, 43, 467-474.	0.9	7
18	New concepts in feedback regulation of glucose metabolism. <i>Current Opinion in Systems Biology</i> , 2018, 8, 32-38.	1.3	28

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19	Brain activity-induced neuronal glucose uptake/glycolysis: Is the lactate shuttle not required?. Brain Research Bulletin, 2018, 137, 225-228.	1.4	24
20	Biochemical principles enabling metabolic cooperativity and phenotypic heterogeneity at the single cell level. Current Opinion in Systems Biology, 2018, 8, 97-108.	1.3	29
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22	Metabolomics and Isotope Tracing. Cell, 2018, 173, 822-837.	13.5	537
23	Including the mitochondrial metabolism of l-lactate in cancer metabolic reprogramming. Cellular and Molecular Life Sciences, 2018, 75, 2763-2776.	2.4	28
24	Applications of metabolomics to study cancer metabolism. Biochimica Et Biophysica Acta: Reviews on Cancer, 2018, 1870, 2-14.	3.3	129
25	Intracellular glycolysis in brown adipose tissue is essential for optogenetically induced nonshivering thermogenesis in mice. Scientific Reports, 2018, 8, 6672.	1.6	51
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40	Dysregulated Glucose Metabolism as a Therapeutic Target to Reduce Post-traumatic Epilepsy. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 350.	1.8	16
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44	Lactate administration activates the ERK1/2, mTORC1, and AMPK pathways differentially according to skeletal muscle type in mouse. <i>Physiological Reports</i> , 2018, 6, e13800.	0.7	46
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46	Norepinephrine stimulates glycogenolysis in astrocytes to fuel neurons with lactate. <i>PLoS Computational Biology</i> , 2018, 14, e1006392.	1.5	47
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55	Utilization of lactic acid in human myotubes and interplay with glucose and fatty acid metabolism. <i>Scientific Reports</i> , 2018, 8, 9814.	1.6	40

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57	Immunometabolism of T cells and NK cells: metabolic control of effector and regulatory function. <i>Inflammation Research</i> , 2018, 67, 813-828.	1.6	47
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66	Proton Transport Chains in Glucose Metabolism: Mind the Proton. <i>Frontiers in Neuroscience</i> , 2018, 12, 404.	1.4	18
67	Flexibility in metabolism bestows tenacious viability on cancer. <i>Life Sciences</i> , 2018, 208, 20-25.	2.0	4
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69	Accumulation of succinate controls activation of adipose tissue thermogenesis. <i>Nature</i> , 2018, 560, 102-106.	13.7	380
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73	The plasticity of pancreatic cancer metabolism in tumor progression and therapeutic resistance. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2018, 1870, 67-75.	3.3	93

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75	Lactate transporters as therapeutic targets in cancer and inflammatory diseases. <i>Expert Opinion on Therapeutic Targets</i> , 2018, 22, 735-743.	1.5	43
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83	Inhibition of phosphoenolpyruvate carboxykinase blocks lactate utilization and impairs tumor growth in colorectal cancer. <i>Cancer &amp; Metabolism</i> , 2019, 7, 8.	2.4	24
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89	In vivo stabilization of OPA1 in hepatocytes potentiates mitochondrial respiration and gluconeogenesis in a prohibitin-dependent way. <i>Journal of Biological Chemistry</i> , 2019, 294, 12581-12598.	1.6	33
90	Beta-emeremene inhibits breast cancer metastasis through blocking pyruvate kinase M2 dimerization and nuclear translocation. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 6846-6858.	1.6	51
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93	Metabolite Exchange between Mammalian Organs Quantified in Pigs. <i>Cell Metabolism</i> , 2019, 30, 594-606.e3.	7.2	170
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124	Higher lactate production from glucose in cultured adipose nucleated stromal cells than for rat adipocytes. Adipocyte, 2019, 8, 61-76.	1.3	6
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147	The Strategic Location of Glycogen and Lactate: From Body Energy Reserve to Brain Plasticity. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 82.	1.8	64
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149	The potential of breath analysis to improve outcome for patients with lung cancer. <i>Journal of Breath Research</i> , 2019, 13, 034002.	1.5	31
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155	Kinetics of Physiological and Behavioural Responses in Endotoxemic Pigs with or without Dexamethasone Treatment. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1393.	1.8	2
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534	Dissecting cell-type-specific metabolism in pancreatic ductal adenocarcinoma. <i>ELife</i> , 2020, 9, .	2.8	61
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