

[Warburg effect\(s\)—a biographical sketch of Otto Warburg and his impacts on tumor metabolism](#)

Angela M. Otto

Cancer Metab. 2016; 4: 5. Published online 2016 Mar 8. doi: 10.1186/s40170-016-0145-9

PMCID: PMC4784299

[Article](#) [PubReader](#) [PDF-530K](#) [Cite](#)**Is Cited by the Following 49 Articles in this Archive:**

<< Previous Page 1 of 2 Next >>

[Ketogenic Diet for Cancer: Critical Assessment and Research Recommendations](#)

Jordin Lane, Nashira I. Brown, Shanquela Williams, Eric P. Plaisance, Kevin R. Fontaine

Nutrients. 2021 Oct; 13(10): 3562. Published online 2021 Oct 12. doi: 10.3390/nu13103562

PMCID: PMC8539953

[Article](#) [PubReader](#) [PDF-611K](#) [Cite](#)[Current Development and Application of Anaerobic Glycolytic Enzymes in Urothelial Cancer](#)

Yi-Fang Yang, Hao-Wen Chuang, Wei-Ting Kuo, Bo-Syuan Lin, Yu-Chan Chang

Int J Mol Sci. 2021 Oct; 22(19): 10612. Published online 2021 Sep 30. doi: 10.3390/ijms221910612

PMCID: PMC8508954

[Article](#) [PubReader](#) [PDF-1.3M](#) [Cite](#)[Precursor comparisons for the upregulation of nicotinamide adenine dinucleotide. Novel approaches for better aging](#)

Raymond D. Palmer, Magdy Mahmoud Elnashar, Mauro Vaccarezza

Aging Med (Milton) 2021 Sep; 4(3): 214–220. Published online 2021 Aug 4. doi: 10.1002/agm2.12170

PMCID: PMC8444956

[Article](#) [PubReader](#) [PDF-384K](#) [Cite](#)

Endothelial metabolism in pulmonary vascular homeostasis and acute respiratory distress syndrome

Reece P. Stevens, Sunita S. Paudel, Santina C. Johnson, Troy Stevens, Ji Young Lee

Am J Physiol Lung Cell Mol Physiol. 2021 Aug 1; 321(2): L358–L376. Published online 2021 Jun 23.

doi: 10.1152/ajplung.00131.2021

PMCID: PMC8384476

Currently embargoed: Free in PMC on Aug 1, 2022; [PubMed](#)[Pretreatment ¹⁸F-FDG PET/CT Imaging Predicts the KRAS/NRAS/BRAF Gene Mutational Status in Colorectal Cancer](#)

Peng He, Yuan Zou, Jia Qiu, Tianhong Yang, Lei Peng, Xiangsong Zhang

J Oncol. 2021; 2021: 6687291. Published online 2021 Jun 18. doi: 10.1155/2021/6687291

PMCID: PMC8233098

[Article](#) [PubReader](#) [PDF-1.5M](#) [Cite](#)[Continuous Inflammatory Stimulation Leads via Metabolic Plasticity to a Prometastatic Phenotype in Triple-Negative Breast Cancer Cells](#)

Dina Morein, Linor Rubinstein-Achiasaf, Hadar Brayer, Orly Dorot, Edward Pichinuk, Hagar Ben-Yaakov,

Tsipi Meshel, Metsada Pasmanik-Chor, Adit Ben-Baruch

Cells. 2021 Jun; 10(6): 1356. Published online 2021 May 31. doi: 10.3390/cells10061356

PMCID: PMC8229065

[Article](#) [PubReader](#) [PDF-6.8M](#) [Cite](#)[Knockdown of Gastrin Promotes Apoptosis of Gastric Cancer Cells by Decreasing ROS Generation](#)

Yan Liu, Jihai Zhu, Jun Liu, Xueman Ma, Jun Zhao, Zhanhai Su

Biomed Res Int. 2021; 2021: 5590037. Published online 2021 Apr 14. doi: 10.1155/2021/5590037

PMCID: PMC8062189

[Article](#) [PubReader](#) [PDF-1.8M](#) [Cite](#)[Warburg's Ghost—Cancer's Self-Sustaining Phenotype: The Aberrant Carbon Flux in Cholesterol-Enriched Tumor Mitochondria via Dereglated Cholesterogenesis](#)

Peter S. Coleman, Risa A. Parlo

Front Cell Dev Biol. 2021; 9: 626316. Published online 2021 Mar 12. doi: 10.3389/fcell.2021.626316

PMCID: PMC7994618

[Article](#) [PubReader](#) [PDF-3.3M](#) [Cite](#)

[The Pros and Cons of Low Carbohydrate and Ketogenic Diets in the Prevention and Treatment of Cancer](#)

Ingrid Elisia, Gerald Krystal

Front Nutr. 2021; 8: 634845. Published online 2021 Feb 25. doi: 10.3389/fnut.2021.634845

PMCID: PMC7946860

[Article](#) [PubReader](#) [PDF-528K](#) [Cite](#)

[Lactate: a multifunctional signaling molecule](#)

Tae-Yoon Lee

Yeungnam Univ J Med. 2021 Jul; 38(3): 183–193. Published online 2021 Feb 18. doi: 10.12701/yujm.2020.00892

PMCID: PMC8225492

[Article](#) [PubReader](#) [PDF-1.0M](#) [Cite](#)

[Molecular docking analysis of pyruvate kinase M2 with a potential inhibitor from the ZINC database](#)

Pankaj Sharma, Manvender Singh, Sangeeta Sharma

Bioinformation. 2021; 17(1): 139–146. Published online 2021 Jan 31. doi: 10.6026/97320630017139

PMCID: PMC8340708

[Article](#) [PubReader](#) [PDF-956K](#) [Cite](#)

[Vitamin C Transporters and Their Implications in Carcinogenesis](#)

Kinga Linowiecka, Marek Foksinski, Anna A. Brożyna

Nutrients. 2020 Dec; 12(12): 3869. Published online 2020 Dec 18. doi: 10.3390/nu12123869

PMCID: PMC7765979

[Article](#) [PubReader](#) [PDF-819K](#) [Cite](#)

[Identification of Novel Glycolysis-Related Gene Signatures Associated With Prognosis of Patients With Clear Cell Renal Cell Carcinoma Based on TCGA](#)

Chengjiang Wu, Xiaojie Cai, Jie Yan, Anyu Deng, Yun Cao, Xueming Zhu

Front Genet. 2020; 11: 589663. Published online 2020 Dec 18. doi: 10.3389/fgene.2020.589663

PMCID: PMC7775602

[Article](#) [PubReader](#) [PDF-3.7M](#) [Cite](#)

[Lactate-Protected Hypoglycemia \(LPH\)](#)

Matthew L. Goodwin, L. Bruce Gladden, Maarten W. N. Nijsten

Front Neurosci. 2020; 14: 920. Published online 2020 Sep 3. doi: 10.3389/fnins.2020.00920

PMCID: PMC7497796

[Article](#) [PubReader](#) [PDF-1.1M](#) [Cite](#)

[A Scaffold-Free 3-D Co-Culture Mimics the Major Features of the Reverse Warburg Effect In Vitro](#)

Florian Keller, Roman Bruch, Richard Schneider, Julia Meier-Hubbertain, Mathias Hafner, Rüdiger Rudolf

Cells. 2020 Aug; 9(8): 1900. Published online 2020 Aug 13. doi: 10.3390/cells9081900

PMCID: PMC7463893

[Article](#) [PubReader](#) [PDF-8.1M](#) [Cite](#)

[Glucose 6-phosphate dehydrogenase inhibition sensitizes melanoma cells to metformin treatment](#)

María Florencia Arbe, Lucrecia Agnetti, Elizabeth Breininger, Gerardo Claudio Glikin, Liliana María Elena Finocchiaro, Marcela Solange Villaverde

Transl Oncol. 2020 Nov; 13(11): 100842. Published online 2020 Aug 8. doi: 10.1016/j.tranon.2020.100842

PMCID: PMC7417947

[Article](#) [PubReader](#) [PDF-4.2M](#) [Cite](#)

[Reclaiming Warburg: using developmental biology to gain insight into human metabolic diseases](#)

Daniela Drummond-Barbosa, Jason M. Tennessen

Development. 2020 Jun 1; 147(11): dev189340. Published online 2020 Jun 14. doi: 10.1242/dev.189340

PMCID: PMC8099845

[Article](#) [PubReader](#) [Cite](#)

[Mitochondrial lactate metabolism: history and implications for exercise and disease](#)

Brian Glancy, Daniel A. Kane, Andreas N. Kavazis, Matthew L. Goodwin, Wayne T. Willis, L. Bruce Gladden
J Physiol. Author manuscript; available in PMC 2022 Feb 1.
Published in final edited form as: J Physiol. 2021 Feb; 599(3): 863–888. Published online 2020 May 27. doi: 10.1113/JP278930
PMCID: PMC8439166
[Article](#) [PubReader](#) [PDF-1.1M](#) [Cite](#)

[Sobriety and Satiety: Is NAD+ the Answer?](#)

Nady Braidy, Maria D. Villalva, Sam van Eeden
Antioxidants (Basel) 2020 May; 9(5): 425. Published online 2020 May 14. doi: 10.3390/antiox9050425
PMCID: PMC7278809
[Article](#) [PubReader](#) [PDF-1.6M](#) [Cite](#)

[Warburg and Beyond: The Power of Mitochondrial Metabolism to Collaborate or Replace Fermentative Glycolysis in Cancer](#)

Shamir Cassim, Milica Vučetić, Maša Ždravlević, Jacques Pouyssegur
Cancers (Basel) 2020 May; 12(5): 1119. Published online 2020 Apr 30. doi: 10.3390/cancers12051119
PMCID: PMC7281550
[Article](#) [PubReader](#) [PDF-1.0M](#) [Cite](#)

[Mitochondrial division inhibitor \(mdivi-1\) decreases oxidative metabolism in cancer](#)

Wenting Dai, Guan Wang, Jason Chwa, Myung Eun Oh, Tharindumala Abeywardana, Yanzhong Yang, Qiong A. Wang, Lei Jiang
Br J Cancer. 2020 Apr 28; 122(9): 1288–1297. Published online 2020 Mar 9. doi: 10.1038/s41416-020-0778-x
PMCID: PMC7188673
[Article](#) [PubReader](#) [PDF-1.5M](#) [Cite](#)

[Metabolic adaptations in spontaneously immortalized PGC-1 \$\alpha\$ knock-out mouse embryonic fibroblasts increase their oncogenic potential](#)

Ignacio Prieto, Carmen Rubio Alarcón, Raquel García-Gómez, Rebeca Berdún, Tamara Urgel, Manuel Portero, Reinald Pamplona, Antonio Martínez-Ruiz, José Ignacio Ruiz-Sanz, M. Begoña Ruiz-Larrea, Mariona Jove, Sebastián Cerdán, María Monsalve
Redox Biol. 2020 Jan; 29: 101396. Published online 2019 Dec 4. doi: 10.1016/j.redox.2019.101396
PMCID: PMC6921228
[Article](#) [PubReader](#) [PDF-3.3M](#) [Cite](#)

[Cell-in-Cell Phenomenon and Its Relationship With Tumor Microenvironment and Tumor Progression: A Review](#)

Xinlong Wang, Yilong Li, Jiating Li, Le Li, Hong Zhu, Hua Chen, Rui Kong, Gang Wang, Yongwei Wang, Jisheng Hu, Bei Sun
Front Cell Dev Biol. 2019; 7: 311. Published online 2019 Dec 3. doi: 10.3389/fcell.2019.00311
PMCID: PMC6901391
[Article](#) [PubReader](#) [PDF-728K](#) [Cite](#)

[17 \$\beta\$ -estradiol-induced mitochondrial dysfunction and Warburg effect in cervical cancer cells allow cell survival under metabolic stress](#)

Annie Riera Leal, Pablo César Ortiz-Lazareno, Luis Felipe Jave-Suárez, Adrián Ramírez De Arellano, Adriana Aguilar-Lemarroy, Yveth Marlene Ortiz-García, Carlos Alfredo Barrón-Gallardo, Raúl Solís-Martínez, Sonia Luquin De Anda, José Francisco Muñoz-Valle, Ana Laura Pereira-Suárez
Int J Oncol. 2020 Jan; 56(1): 33–46. Published online 2019 Nov 14. doi: 10.3892/ijo.2019.4912
PMCID: PMC6910176
[Article](#) [PubReader](#) [PDF-1.3M](#) [Cite](#)

[Diverse Roads Taken by ¹³C-Glucose-Derived Metabolites in Breast Cancer Cells Exposed to Limiting Glucose and Glutamine Conditions](#)

Maria Gkiouli, Philipp Biechl, Wolfgang Eisenreich, Angela M. Otto
Cells. 2019 Oct; 8(10): 1113. Published online 2019 Sep 20. doi: 10.3390/cells8101113
PMCID: PMC6829299
[Article](#) [PubReader](#) [PDF-5.3M](#) [Cite](#)

[Dysregulated Mitochondrial Dynamics and Metabolism in Obesity, Diabetes, and Cancer](#)

Wenting Dai, Lei Jiang

Front Endocrinol (Lausanne) 2019; 10: 570. Published online 2019 Sep 3. doi: 10.3389/fendo.2019.00570

PMCID: PMC6734166

[Article](#) [PubReader](#) [PDF-561K](#) [Cite](#)

[Inhibiting the HPV16 oncogene-mediated glycolysis sensitizes human cervical carcinoma cells to 5-fluorouracil](#)

Dan Ma, Yong Huang, Shurong Song

Onco Targets Ther. 2019; 12: 6711-6720. Published online 2019 Aug 19. doi: 10.2147/OTT.S205334

PMCID: PMC6707439

[Article](#) [PubReader](#) [PDF-2.7M](#) [Cite](#)

[Unexpected Discoveries Should Be Reconsidered in Science—A Look to the Past?](#)

Alberto Foletti, Stefano Fais

Int J Mol Sci. 2019 Aug; 20(16): 3973. Published online 2019 Aug 15. doi: 10.3390/ijms20163973

PMCID: PMC6720802

[Article](#) [PubReader](#) [PDF-225K](#) [Cite](#)

[HSF1: a mediator in metabolic alteration of hepatocellular carcinoma cells in cross-talking with tumor-associated macrophages](#)

Hua Tian Liu, Dan Ai Huang, Miao Miao Li, He Deng Liu, Kun Guo

Am J Transl Res. 2019; 11(8): 5054-5064. Published online 2019 Aug 15.

PMCID: PMC6731433

[Article](#) [PubReader](#) [PDF-1.9M](#) [Cite](#)

[PKM2, function and expression and regulation](#)

Ze Zhang, Xinyue Deng, Yuanda Liu, Yahui Liu, Liankun Sun, Fangfang Chen

Cell Biosci. 2019; 9: 52. Published online 2019 Jun 26. doi: 10.1186/s13578-019-0317-8

Correction in: [Cell Biosci. 2019; 9: 59.](#)

PMCID: PMC6595688

[Article](#) [PubReader](#) [PDF-6.9M](#) [Cite](#)