

Documents

Ippolito, L.^a, Sonveaux, P.^b, Chiarugi, P.^{a c}

Unconventional roles of lactate along the tumor and immune landscape
(2022) *Trends in Endocrinology and Metabolism*, 33 (4), pp. 231-235. Cited 3 times.

DOI: 10.1016/j.tem.2022.01.005

^a Department of Experimental and Clinical Biomedical Sciences, University of Florence, Florence, Italy

^b Pole of Pharmacology and Therapeutics, Institut de Recherche Expérimentale et Clinique (IREC), Université Catholique de Louvain (UCLouvain), Brussels, Belgium

^c Tuscany Tumor Institute (ITT) and Excellence Centre for Research, Transfer and High Education DenoTHE, Florence, Italy

Abstract

The tumor ecosystem evolves with dynamic interactions between cancer and normal cells, and nutrients have emerged as new regulators of cancer hallmarks. Lactate has climbed the rankings as a multifunctional molecule orchestrating many aspects of the disease onset and progression. Here, we patchwork and discuss the main recent findings conferred during the EMBO workshop titled 'Lactate: Unconventional Roles of a Nutrient Along the Tumor Landscape.' © 2022 Elsevier Ltd

Author Keywords

immunomodulation; lactate; monocarboxylate transporters (MCTs); tumor metabolism; tumor microenvironment

Index Keywords

lactic acid; aerobic metabolism, angiogenesis, cancer cell, cancer growth, cell metabolism, cell population, immunomodulation, plasticity, Short Survey, tumor metabolism, tumor microenvironment, ecosystem, human, neoplasm; Ecosystem, Humans, Lactic Acid, Neoplasms

Correspondence Address

Chiarugi P.; Department of Experimental and Clinical Biomedical Sciences, Italy; email: paola.chiarugi@unifi.it

Publisher: Elsevier Inc.

ISSN: 10432760

CODEN: TENME

PubMed ID: 35168874

Language of Original Document: English

Abbreviated Source Title: Trends Endocrinol. Metab.

2-s2.0-85124486715

Document Type: Short Survey

Publication Stage: Final

Source: Scopus