



Energy Metabolisms in Cancer

Guest Editors:

Prof. Dr. Giancarlo Solaini

Department of Biomedical and
Neuromotor Sciences, Alma
Mater Studiorum University of
Bologna, 40126 Bologna, Italy

Dr. Claudia Zanna

Department of Biomedical
Science and Neuromotor
Sciences DIBINEM, University of
Bologna | UNIBO, 40126 Bologna,
Italy

Deadline for manuscript
submissions:

closed (30 December 2023)

Message from the Guest Editors

Dear Colleagues,

In the complex and heterogeneous tumor ecosystem, cancer cells must acquire a flexible and variable metabolism to face and survive many stress conditions. Therefore, tumor cells must reprogram their metabolism at many levels, and mitochondria plays a pivotal role, becoming essential to driving disease progression. It is generally accepted that many cancer cells change their metabolism, increasing cytosolic glycolysis, even in the presence of normal oxygen availability, but more recent studies propose that this may occur in cells at certain stages, and it has also been clearly demonstrated that mitochondrial and oxidative metabolisms are relevant to growth and metastasis. Therefore, investigations of whether bioenergetic pathways are associated with mitochondria in cancer cells and their modulation is promoted by stressful conditions and/or microenvironment changes will be welcome. Any studies that report endogenous molecules and exogenous molecules that capable of interfering with pathways or single reactions in tumor cells and could help to unveil tumor biology and/or chemo- or radio-therapy are welcome.





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Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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*International Journal of Molecular
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