

Special Issue

Role of Different Metabolic Pathways on Development and Progression of Cancer

Message from the Guest Editors

Metabolic pathways play a critical role in the development and progression of cancer. Cancer cells undergo various alterations in their metabolism in order to support their rapid growth, proliferation, and survival. These alterations are collectively referred to as cancer metabolism or the "Warburg effect," named after Otto Warburg, who observed enhanced glucose consumption and lactate production in cancer cells. Understanding the metabolic pathways in cancer has led to the development of targeted therapies. For example, drugs that inhibit specific enzymes or transporters involved in cancer metabolism have been developed in order to selectively disrupt cancer cell growth and survival. In this Special Issue, we will discuss the various critical metabolic pathways that occur in cancer progression. We will also discuss the therapeutic potential of targeting metabolic pathways in order to enhance overall survival and disease-free survival.

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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