

Special Issue

The Role of Cell Metabolism in Cancer

Message from the Guest Editors

This Special Issue is designed to provide information on the latest advances in cancer metabolism. Instead of living solitary, cancer cells are surrounded by a complex ecosystem of extracellular matrix, immune cells, endothelial cells, and cancer-associated fibroblasts. Cancer stem cells (CSCs), unlike differentiated tumor progenies, undergo metabolic reprogramming and, depending on the type of cancer, rely on glycolysis, glutaminolysis, or fatty acids for survival. Because of their metabolic flexibility, CSCs can switch between distinct metabolisms for tumor progression in a diversity of microenvironments and develop therapeutic resistance. Metabolic interventions could be combined with standard cytotoxic regimens to prevent recurrence and metastasis and achieve more effective long-term disease remission. For this Special Issue, we invite the submission of research articles and reviews from basic, translational, and preclinical research. We aim to gather new perspectives on the role of cell metabolism in cancer biology and to focus on emerging tactics that highlight mitochondrial targeting in the context of cancer treatment.

Guest Editors

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Message from the Editor-in-Chief

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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