

## 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.

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 January 2023)



## International Journal of Molecular Sciences

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