

## Special Issue

# Mitochondria: Central Players in Cancer

### Message from the Guest Editors

Mitochondria, the energy centers of cells, are intrinsically involved in cancer development. Beyond energy production, they regulate vital processes such as cell death. In cancer, mitochondrial function is often disrupted, leading to metabolic shifts favoring increased glycolysis (the Warburg effect), the increased production of harmful reactive oxygen species (ROS), and resistance to programmed cell death (apoptosis). These alterations contribute significantly to cancer progression. The focus of this Special Issue will be on exploring the role of mitochondria in the progression of carcinogenesis and identifying novel potential therapeutic strategies for cancer treatment by targeting mitochondrial function.

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## International Journal of Molecular Sciences

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