

Special Issue

Mitochondrial Remodeling and the Targeting Strategies for Disease Treatment

Message from the Guest Editor

Mitochondria are highly dynamic and responsive organelles, presenting multifaceted functions depending on environmental conditions and cellular requirements. Mitochondria are the hub for diverse signal processors that are fundamental to cellular homeostasis, energy production, metabolism, survival, and death. Mitochondrial remodeling, including rearranging, recycling, and reprogramming, is essential for mitochondrial quality control, structural integrity, and functional interaction with other cellular organelles. Although we are still far from fully understanding the complexity of mitochondrial remodeling, it has been implicated in the pathogenesis of many human disorders, including cancer and aging-related diseases. With the advent of new information, technologies, and methodologies, it is time to delineate the significance and enigmatic mechanisms relevant to the remodeling of mitochondria in response to pathophysiological stresses more precisely and comprehensively. Therefore, we kindly invite you to contribute to this Special Issue with original research articles or comprehensive reviews at molecular level.

Guest Editor

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