Special Issue

Mitochondrial Function in Health and Diseases

Message from the Guest Editor

Mitochondria are vital to eukaryotic life. These maternally inherited organelles are highly dynamic, have their own genome, reproduce by fission and subsequent biogenesis, are repaired via fusion, and are destroyed through a specialised form of autophagy called "mitophagy". Dubbed as the "power houses of the cell". they produce ATP via oxidative phosphorylation for cellular energetics. They are also the first responders to stress and the principal organelles responsible for inducing intrinsic apoptosis to eliminate defective cells, to prevent diseases such as cancers. Somewhat usurped by these key roles in health and disease, their lesser known functions include, but are not limited to. the maintenance of iron levels, calcium regulation, and lipid production, which are also critical to life. This Special Issue will bring together a collection of novel research articles that highlight the molecular mechanisms underlying the many functions of these fascinating and fundamental organelles on which all eukaryotes depend. We welcome original research articles and comprehensive reviews. All submissions will enjoy a 20% discount.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

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