

Special Issue

Lysosomes and Diseases Associated with Its Dysfunction

Message from the Guest Editor

Lysosomes are metabolic sensors and play a key role in the regulation of metabolism. As degradative organelles, the catabolic function of lysosomes is accomplished by hydrolases, lipases, nucleases and proteases. Metabolites (nucleotides, amino acids sugars, lipids) generated by lysosomal degradation are exported to the cytoplasm to be reused. Moreover, lysosomes have the ability to tether with other membrane organelles, including endoplasmic reticulum and mitochondria, to coordinate the cellular metabolic response. Abnormalities in endosomes and lysosomes or dysregulation in their trafficking could be associated with various disorders. This Special Issue welcomes original research relating to this theme in the field of biology and biomedicine. Reviews describing signalling pathways and methodology articles highlighting recommendations and cautions for the study and characterization of these organelles are also welcome.

Guest Editor

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