Special Issue

Downstream Pathways in Lysosomal Disorders from Basic Science to Clinical Contexts

Message from the Guest Editor

The research exploring the lysosome's metabolic functions has led to our understanding the roles of cell signaling, metabolite sensing, and the pathways involved in cell death and survival that significantly contribute to disease pathology and progression. New cellular and molecular techniques powered by "omics" are leading to the development of disease-specific biomarkers for clinical use and advanced therapies for LDs, such as gene therapy, small-molecule/nanomedicine approaches, RNA silencing, and genome editing. These innovative approaches have the potential to revolutionize therapies by targeting the underlying genetic and molecular mechanisms of the diseases. Moreover, the advent of novel developments and emerging technologies makes it imperative to address the role of downstream pathways in LDs to pursue precision or individualized medicine for patients with LDs. Therefore, We invite researchers to expand upon the discussion regarding the role of cell signaling, metabolite regulation, and inflammatory and other pathways to gain a better understanding of the disease process.

Guest Editor

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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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