

Special Issue

Biogenesis and Functional Roles of Lysosomes: Their Implications for the Pathogenesis and Therapy of Human Diseases

Message from the Guest Editor

This Special Issue will collect either research or review articles addressing the biogenesis and pathophysiological role of lysosome and lysosome-related organelles in human health and disease. Topics include, but are not limited to, the following:

- Biogenesis of acidic compartments and their function in cells;
- Trafficking of molecules and membranes among endosomal-lysosomal organelles;
- Endocytosis and exocytosis in cell communication;
- Biogenesis and function of exosomes;
- Lysosomes in cell survival and cell death pathways;
- Lysosomes and autophagy;
- Lysosomes in development and embryomorphogenesis;
- Dysfunctional lysosomes in human pathologies, with a special focus on autoimmune diseases, neurodegenerative diseases, lysosomal storage diseases, and cancer;
- Lysosomes as a therapeutic target in human diseases;
- Replacement gene therapy for lysosome dysfunction.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

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