



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

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (31 March 2020)**

### **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.



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Prof. Dr. Ciro Isidoro  
*Guest Editor*

# **Special Issue**



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## Message from the Editor-in-Chief

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