

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

Prof. Dr. Ciro Isidoro

Laboratory of Molecular Pathology, Department of Health Sciences, Università del Piemonte Orientale "A. Avogadro", Via Solaroli 17, 28100 Novara, Italy

Deadline for manuscript submissions

closed (31 March 2020)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/22335

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)