

Special Issue

Lysosomal Storage Disorders: Molecular Basis and Therapeutic Approaches

Message from the Guest Editor

After decades of efforts and limited advances, our knowledge on the biology of lysosomes has lately been dramatically increasing, thanks to the application of novel technologies. The lysosome no longer appears to be a simple “waste disposal bag”, but rather a complex organelle with a plethora of important biological functions. Nonetheless, the growing body of knowledge on lysosomal storage disorders pathogenesis has led to a widespread awareness that alternative therapeutic approaches are required, beyond enzyme replacement therapy (ERT), in order to achieve the overall treatment of organ defects in affected patients. In this Special Issue, we provide an updated state-of-the-art on lysosomal biology, with the integration of emerging concepts on lysosomal storage disorders’ pathogenesis and novel challenging therapeutic perspectives and avenues. **Keywords**

- Substrate storage
- Autophagy
- Cell signaling
- Biomarkers
- Gene therapy

Guest Editor

Dr. Enrico Moro

Department of Molecular Medicine, University of Padova, Via U. Bassi 58/ B, 35121 Padova, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomolecules@mdpi.com

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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