International Journal of
Molecular Sciences

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Pathophysiology, Molecular Mechanism and Therapeutic Strategies of Lysosomal Storage Disorders (LSD)

Guest Editors:

Prof. Dr. Ari Zimran
1. Gaucher Unit, Shaare Zedek Medical Center, Jerusalem 9103102, Israel
2. Faculty of Medicine, The Hebrew University of Jerusalem, Jerusalem 9112102, Israel

Prof. Dr. Shoshana Revel-Vilk
1. Gaucher Unit, Shaare Zedek Medical Center, Jerusalem 9103102, Israel
2. Faculty of Medicine, The Hebrew University of Jerusalem, Jerusalem 9112102, Israel

Deadline for manuscript submissions:
closed (1 May 2021)

Message from the Guest Editors

In this Special Issue on LSD, we welcome any high-quality contribution including research articles from basic science to clinical studies with molecular mechanism, and also invite full reviews and case studies, with a common purpose to expand the current knowledge in this important area of LSDs. While, as 70 inherited metabolic disorders, and they are all the more important given the many different types of underlying lysosomal dysfunction. In addition to the accumulation of the unmetabolized substrate (hence the concept of “storage” disorders), there are a variety of cellular and subcellular abnormalities, including endoplasmic reticulum stress, altered lipid trafficking, autophagy, inflammation, and autoimmune responses. Each of these pathological processes, alone or in combination, may lead to the development of novel therapeutic modalities, some of which have already changed natural history and the lives of patients with various diseases, such as Gaucher, Fabry, MPS and others, and in addition, these new treatments, including gene therapy, may also be of relevance to more common disorders.

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Editor-in-Chief

Prof. Dr. Maurizio Battino
Department of Odontostomatologic and Specialized Clinical Sciences, Sez-Biochimica, Faculty of Medicine, Università Politecnica delle Marche, Via Ranieri 65, 60100 Ancona, Italy

Message from the Editor-in-Chief

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Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

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International Journal of Molecular Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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