

## Special Issue

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

### 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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### Deadline for manuscript submissions

closed (1 May 2021)



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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.

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