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Lysosomal Storage Disorders

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Deadline for manuscript submissions:
closed (1 February 2021)

Message from the Guest Editor

Dear Colleagues,

Lysosomal storage disorders (LSDs) are rare monogenic diseases characterized by aberrant lysosomes with storage material. The molecular mechanisms and cellular pathology of these diseases have been subject to intensive research for decades, but no therapy options for many of these diseases are available.

The purpose of this Special Issue is to summarize our current understanding about the disease pathogenesis and molecular mechanisms of LSDs, and to explore therapeutic strategies that could be used in LSDs. We also welcome manuscripts addressing the involvement of various cellular pathways such as autophagy, neuroinflammation, endosomal dysfunction, and signaling in the pathogenesis of LSDs. Novel concepts such as the common features of LSDs and other neurodegenerative diseases such as Alzheimer's or Parkinson's are also a subject of this Special Issue. We encourage the submission of review articles and original research papers of any length. Our aim is to provide a comprehensive update on LSDs, their pathomechanisms, and therapy options.

Prof. Dr. Ritva Tikkanen
Guest Editor

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Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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