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Lysosomal Storage Disease: From Molecular Mechanisms to Therapeutic Opportunities

Guest Editor:

Prof. Ingeborg Krägeloh-Mann
Department of Pediatric Neurology, University Children's Hospital Tübingen, 72076 Tübingen, Germany

Deadline for manuscript submissions:
closed (15 August 2021)

Message from the Guest Editor

Lysosomal storage disorders have been known for decades to be multisystem disorders with a variable onset and course. The molecular basis is increasingly being elucidated and therapeutic strategies are becoming more developed with growing expertise in targeted cellular and genetic therapies. Early diagnosis represents a challenge as therapeutic effects can mainly be achieved early in the disease course. Quite recent is interest in the role of lysosomes in a number of adult neurodegenerative disorders, such as Parkinson's disease and Alzheimer's disease. Although not of monogenetic origin, heterozygous and homozygous mutations in lysosomal genes are amongst the highest genetic risk factors and lysosomal dysfunction may enhance the neurodegenerative process.

We invite you to contribute to this Special Issue of Cells, which is dedicated to these disorders. Contributions on cell biology, molecular biology, and biophysics are as welcome, as are clinical studies covering the natural history or therapeutic aspects.

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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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Contact Us

Cells Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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mdpi.com/journal/cells
cells@mdpi.com
𝕏@Cells_MDPI