Special Issue

Updates on Molecular Mechanisms of Lysosomal Storage Disease

Message from the Guest Editors

Lysosomal storage diseases (LSDs) are a group of inherited (monogenic) metabolic diseases associated with the dysfunction of lysosomal apparatus. Virtually every cell in the body possesses lysosomes, yet storage in these organelles can vary even among various cells. The clinical phenotype is quite heterogeneous, affecting multiple organs and systems, reflecting also the complexity of their pathomechanism. The introduction of enzyme replacement therapy for LSDs created a breakthrough in treating genetic diseases. Even though our knowledge of LSD has increased, and many therapies have been established, many molecular aspects remain ambiguous. This Special Issue provides an opportunity for researchers to contribute with original papers as well as review articles that will provide a comprehensive overview of the molecular aspects of various LSDs. Thus, research papers allowing a better understanding of the molecular physiopathology underlying LSDs, providing novel potential molecular biomarkers, and describing pre-clinical aspects at the molecular level are welcome.

Guest Editors

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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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