



medicina



an Open Access Journal by MDPI

Insights into Disease Mechanisms and Precision Treatment for Lysosomal Diseases

Guest Editors:

Dr. Jialiu Zeng

Lee Kong Chian School of Medicine, Nanyang Technological University, Singapore

Dr. Chih Hung Lo

Neuroscience and Mental Health Program, Lee Kong Chian School of Medicine, Nanyang Technological University, Singapore

Deadline for manuscript submissions:

closed (31 December 2022)

Message from the Guest Editors

Dear scholars,

Lysosomal diseases are a group of disorders caused by lysosome functional deficiencies including loss of lysosomal enzyme activities and elevated lysosomal pH, which affect the degradation of biological macromolecules and cellular components. The accumulation of substrates in the lysosomes can result in impairment of autophagy, aberrant vesicle trafficking, dysregulation of signaling pathways, and abnormal calcium homeostasis, as well as mitochondrial dysfunction. The recent research focus has turned to the development of lysosomal probes as well as therapeutic strategies to modulate lysosomal function, including the use of small molecules, pharmacological chaperones, or nanoparticles.

This Special Issue aims to highlight the latest advances in novel therapeutic approaches for lysosomal diseases, new methods of detecting lysosome functions, and developments in methods or technologies to uncover disease mechanisms.

We invite authors to submit original articles and review articles regarding recent findings on lysosomal disease mechanisms, diagnosis, and therapeutic strategies.

Dr. Jialiu Zeng
Dr. Chih Hung Lo
Guest Editors



mdpi.com/si/120943

Special Issue



medicina



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Edgaras Stankevičius

Medical Academy, Lithuanian
University of Health Sciences,
Kaunas, Lithuania

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Medicina* (ISSN: 1648-9144). *Medicina* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on medicine. The scientific community and the general public can access the content free of charge as soon as it is published.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), and [other databases](#).

Journal Rank: JCR - Q1 (Medicine, General and Internal) / CiteScore - Q1 (General Medicine)

Contact Us

Medicina Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/medicina
medicina@mdpi.com