medical sciences

IMPACT FACTOR 4.4 | Indexed in: PubMed | CITESCORE 8.7

an Open Access Journal by MDPI

The Cellular Impact of Lysosomal Storage Disorders

Guest Editors:

Dr. Olga Amaral
Department of Human Genetics, Unit of Research & Development, National Institute of Health Dr. Ricardo Jorge, R.Alexandre Herculano 321, Porto, Portugal

Dr. Ana Joana Duarte
Department of Human Genetics, Unit of Research & Development, National Institute of Health Dr. Ricardo Jorge, R.Alexandre Herculano 321, Porto, Portugal

Dr. M Rosário Rodrigues
Department of Human Genetics, Unit of Research & Development, National Institute of Health Dr. Ricardo Jorge, Av. Padre Cruz, Lisbon, Portugal

Deadline for manuscript submissions:
closed (26 July 2024)

Message from the Guest Editors

Lysosomal storage disorders are a heterogeneous group of rare genetic disorders in which the lysosome plays a pivotal role. The lysosome is a complex organelle, and we want to explore its functions within the cellular landscape. In this Special Issue we want to emphasize the influence of lysosomal dysfunction on various facets of cell biology and processes involved in disease. The interplay of various organelles and cellular pathways, as well as genetic and biochemical mechanisms, still have many aspects to be discovered. Technological innovation and emerging concepts in biology lead to mutable notions about pathologic processes, and the open sharing of new ideas among peers helps in validating the innovative concepts.

We encourage the submission of works in the aforementioned areas, particularly in the following themes:

- Lysosomal dysfunction and processes involved in disease;
- New personalized approaches to therapies, models and innovative diagnosis;
- Interconnection between non-lysosomal diseases and lysosomal dysfunction.