

Special Issue

Molecular Mechanisms, Pathophysiology and Phenotypes of Mitochondrial Disorders

Message from the Guest Editor

Mitochondrial diseases are the most common inheritable metabolic diseases resulting from defects in oxidative phosphorylation. They are caused by mutations of nuclear or mitochondrial DNA in genes involved in mitochondrial function. While some mitochondrial disorders only affect a single organ (e.g., the eye in Leber hereditary optic neuropathy), many involve multiple organ systems and often present with prominent neurologic features. Understanding the phenotypic diversity and elucidating the molecular mechanisms at the basis of these diseases has, however, proved challenging. With this Special Issue, we intent to explore the molecular basis, the clinical spectrum, the diagnostic approach and the treatment advances of these devastating disorders.

Guest Editor

Prof. Dr. Michelangelo Mancuso

Department of Clinical and Experimental Medicine, Neurological Institute, University of Pisa, 56126 Pisa, Italy

Deadline for manuscript submissions

closed (31 May 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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