

## Special Issue

# Inflammation and Metabolic Response in Mitochondrial Diseases

### Message from the Guest Editor

Primary mitochondrial dysfunction translates clinically into a heterogeneous group of inherited disorders termed mitochondrial diseases (MDs), which involve tissues that are heavily energy dependent and often manifest isolated neuromuscular symptoms or, more commonly, in association with multisystem involvement. While enormous progress has been made in the genetic characterization of MDs, similarly significant results have not been obtained in the deep understanding of the pathogenetic mechanisms. This Special Issue aims to collect scientific contributions capable of shedding light on the metabolic remodeling of different tissues (e.g., skeletal muscle, liver, and adipose tissue) in patients with MDs. At the same time, contributions related to another important emerging chapter of primary mitochondrial dysfunction, consisting in the role of inflammation and regulation of immune activity, will be taken into consideration. The investigation of this aspect could contribute to the understanding of the complex pathogenic mechanisms and to the identification of new therapeutic approaches.

### Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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