

Special Issue

Pathogenic Mechanisms of Muscle Diseases

Message from the Guest Editors

Muscle diseases comprise a heterogeneous group of inherited or acquired conditions that affect the muscular system. Although individually rare, these disorders collectively afflict millions of people worldwide. Although significant progress has been made in the identification of causative genes and mutations, the pathogenesis and basic mechanisms of several of muscle diseases remain to be fully elucidated. Muscle biopsy from patients, primary human skeletal muscle tissue cultures, and disease modeling in different organisms have turned out to be powerful and valuable tools to dissect the complex pathophysiology of such diseases, with the ultimate goal of developing novel therapeutic targets.

This Special Issue will focus on studies exploring the cellular and molecular mechanisms underpinning primary muscle diseases, both genetic and acquired, by using in vitro and in vivo experimental models as well as patient-derived material. Original research articles, mini and full reviews, short communications, perspectives, and commentaries are welcome.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2021)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/45439

*International Journal of
Molecular Sciences*
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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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