

Special Issue

Sarcomeric Proteins in Health and Disease: 3rd Edition

Message from the Guest Editor

This Special Issue is the continuation of our previous Special Issues “[Sarcomeric Proteins in Health and Disease](#)” and “[Sarcomeric Proteins in Health and Disease 2.0](#)”. Many inherited diseases in skeletal and cardiac muscle have their origin in mutations in sarcomeric proteins. Developing rational therapeutic strategies will require a detailed understanding of the normal structure and function of the proteins that comprise the sarcomere, as well as how these structures and functions are altered in disease. This Special Issue is intended to be an opportunity to explore other aspects of sarcomere structure and function. These could include topics such as (1) the elastic properties of sarcomeric proteins and their role in regulation, (2) the structural dynamics of the Z-lines and M-lines, (3) sarcomeric structural proteins and cell signaling pathways, and (4) the regulation of the turnover of sarcomeric proteins. This list is not intended to be exclusive. Any of these topics could include the investigation and discussion of mutations and post-translational modifications that alter protein structure in addition to either normal or pathological function.

Guest Editor

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Deadline for manuscript submissions

closed (20 April 2025)



International Journal of Molecular Sciences

an Open Access Journal
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Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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Message from the Editor-in-Chief

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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