



Sarcomeric Proteins in Health and Disease

Guest Editor:

Prof. Dr. Thomas C. Irving

BioCAT, Department of Biology,
Illinois Institute of Technology,
Chicago, IL 60616, USA

Deadline for manuscript
submissions:

closed (28 February 2021)

Message from the Guest Editor

The aim of the present Special Issue is to bring together reviews and original papers on the structure and function of specific components of the sarcomere as they relate to overall contractile function and its regulation in normal and diseased muscle tissue. Historically, the focus in molecular biophysical studies of muscle contraction has been on actin–myosin interaction.

This 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) structural dynamics of the Z-lines and M-lines, (3) sarcomeric structural proteins and cell signaling pathways, and (4) regulation of turnover of sarcomeric proteins. This list is not intended to be exclusive. Any of these topics could include investigation and discussion of mutations and post-translational modification alter protein structure and either normal or pathological function.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI