

## Special Issue

# Sarcomeric Proteins in Health and Disease

### 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.

### Guest Editor

Prof. Dr. Thomas C. Irving

Department of Biological Sciences, Illinois Institute of Technology,  
Chicago, IL, USA

### Deadline for manuscript submissions

closed (28 February 2021)



## 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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### Editor-in-Chief

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