

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

Prof. Dr. Thomas C. Irving
Department of Biological Sciences, Illinois Institute of Technology,
Chicago, IL, USA

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

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