

Special Issue

Muscle Proteins, Functions and Interactions

Message from the Guest Editor

The main function of striated muscle is to shorten and generate force through the cyclic interaction between actin and myosin, fuelled by ATP hydrolysis. Many other proteins are involved in the regulation of the contraction and in preserving the structure and homogeneity of the sarcomere. These functions are brought about through protein-protein interactions, in a complex interplay that leads to the emergent properties of the sarcomere. The aim of this Special Issue is to host original research papers and reviews on the proteins at work in striated muscle and on their role in promoting, assisting and regulating the contractile function. Without intending to be exclusive, the papers collected in this issue could report studies on topics such as actomyosin interactions, thin and thick filament-based regulation, cytoskeletal anchoring proteins, and physiological or pharmacological modulation of protein function. Any of this investigation could be aimed at understanding either the normal functioning or pathological condition.

Guest Editor

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The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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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