



Muscle Proteins, Functions and Interactions

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

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.





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Message from the Editor-in-Chief

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