



Skeletal Muscle Mechanics

Guest Editor:

Prof. Dr. Walter Herzog

Faculty of Kinesiology, University
of Calgary, Calgary, AB, Canada

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Message from the Guest Editor

Dear Colleagues,

The Special issue "Skeletal Muscle Mechanics" in the Journal of Functional Morphology and Kinesiology endeavors to elucidate the intricate and dynamic principles governing the functionality of skeletal muscles. It aims to conduct a thorough exploration of the structural and functional facets of skeletal muscles, spanning from the molecular and cellular levels to tissue and complete muscle structures. This distinctive publication seeks to illuminate the mechanical foundations of muscle contraction, force production, and energy metabolism, along with the adaptive reactions of skeletal muscles to physical exercise, inactivity, and the aging process. Moreover, it will delve into the utilization of advanced biomechanical and imaging methodologies to investigate muscle mechanics in both healthy and pathological conditions, with a specific emphasis on comprehending the implications for rehabilitation, athletic performance, and clinical interventions.

Prof. Dr. Walter Herzog
Guest Editor

