children

IMPACT FACTOR 2.4

Indexed in: PubMed

CITESCORE 2.0

an Open Access Journal by MDPI

Skeletal Muscle Development from Infancy to Adolescence

Guest Editor:

Prof. Andy Khamoui
Department of Exercise Science and Health Promotion, Integrative Biology Graduate Program, Institute for Human Health and Disease Intervention, Florida Atlantic University, Boca Raton, FL, USA

Deadline for manuscript submissions:
closed (31 December 2020)

Message from the Guest Editor

Skeletal muscle comprises roughly 40% of the body mass and is critical for ventilation, locomotion and metabolic health. This organ system is affected in several congenital myopathies, muscular dystrophies and neuromuscular disorders for which effective treatments are lacking. Skeletal muscle also demonstrates remarkable plasticity by adapting its structure and function to a variety of signals such as injury, disuse, physical inactivity, exercise, and nutrients. This Special Issue will explore skeletal muscle health with a focus on early life, from infancy through to adolescence. Submissions are welcome from any experimental system, including, but not limited to, cells, model organisms, and human subjects. Original research and reviews that highlight mechanisms and therapies for inherited myopathies and neuromuscular disease are especially welcome, as are submissions in the areas of pediatric exercise science, and the influence of diet and nutrients on muscle health in pediatric populations. The overall goals of this Special Issue are to increase the awareness and understanding of avenues that can promote skeletal muscle health during these critical stages of life.