

## Special Issue

# Skeletal Muscle Development from Infancy to Adolescence

### 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.

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### 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

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### Deadline for manuscript submissions

closed (31 December 2020)



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*Children*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
children@mdpi.com

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## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute a research article or comprehensive review for consideration and publication in *Children* (ISSN 2227-9067). *Children* is an open access journal—research articles, reviews, and other content are published online immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. The journal focuses on sharing clinical, epidemiological, and translational science relevant to children's health. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

Prof. Dr. Paul R. Carney

Departments of Child Health and Neurology, University of Missouri, 400 Keene Street, Columbia, MO 65211, USA

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