

## Special Issue

# Progress and Future Directions on Physical Activity and Skeletal Muscle Research in Chronic Kidney Disease

### Message from the Guest Editor

Chronic kidney disease (CKD) is associated with a high risk of morbidity and mortality. CKD patients often report fatigue, muscle weakness, and pain. Reductions in muscle strength and related levels of physical capacity are observed already in the early stages of the disease. The mechanism of these changes can be primary, caused by myopathy or uremic sarcopenia, as well as secondary, as a result of several factors: comorbidities, lifestyle, and age-related sarcopenia and frailty. These factors strongly impair patients' levels of physical activity, daily functioning, and quality of life, leading to an excessively sedentary lifestyle and increased CVD risk. Thus, it is very important to understand these pathological mechanisms and to establish significant interventions regarding the improvement of physical function and reduction of risk factors. We would love to invite you to submit original research articles and reviews that focus on, but are not limited to, innovative and important findings that provide a comprehensive molecular mechanism for physical activity and skeletal muscle research in chronic kidney disease.

### Guest Editor

Dr. Wioletta Dziubek

Faculty of Physiotherapy, Wrocław University of Health and Sport Sciences, 51-612 Wrocław, Poland

### Deadline for manuscript submissions

closed (20 August 2024)



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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) 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, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *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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### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

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