

Special Issue

Molecular Mechanism and Pathogenesis of Sarcopenia

Message from the Guest Editors

Sarcopenia, the progressive age-related loss of skeletal muscle mass and strength/function during aging, increases the risk of a vast array of adverse health outcomes, including falls, morbidity, loss of independence, disability, and mortality. Several processes and mechanisms have been indicated as contributors to age-related muscle tissue disruption. These include altered hormonal status, chronic inflammation, redox imbalance, loss of α -motor neurons, muscular mitochondrial dysfunction, altered myocyte autophagy, accelerated apoptosis of myonuclei, and impaired satellite cell function. This Special Issue is intended to bring together basic researchers and clinicians working in the area of sarcopenia in human and animal models to gain insights into molecular mechanisms involved in the pathophysiology of sarcopenia. The ultimate aims of this Special Issue are to shed light on biological targets for interventions against sarcopenia and to identify novel biomarkers for the condition. We therefore invite you to submit your latest original research or review articles on sarcopenia to this Special Issue.

Guest Editors

Dr. Anna Picca

1. Department of Medicine and Surgery, Lum Jean Monnet University, 70010 Casamassima, Italy
2. Department of Geriatrics, Neuroscience and Orthopedics, Fondazione Policlinico Universitario "A. Gemelli", IRCCS, 00168 Rome, Italy

Dr. Riccardo Calvani

Fondazione Policlinico Universitario "A. Gemelli", IRCCS, 00168 Rome, Italy

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4052 Basel, Switzerland
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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.

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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