

Special Issue

Immunometabolic Disorders in Aging and Disease

Message from the Guest Editors

Several studies have emphasized the importance of metabolic sensors, such as mTOR, AMP-activated protein kinase (AMPK), and sirtuins in inflammation, mitochondrial metabolism and immunometabolic pathways. Aging-related alterations in the activity or expression of these sensors, disturbed autophagy or compromised mitochondrial homeostasis may lead to numerous immunometabolic pathologies and diseases, such as insulin resistance, diabetes, metabolic syndrome and cardiovascular diseases. Therefore, understanding the mechanisms involved in the regulation and dysregulation of immunometabolic pathways may provide a basis for combating diseases and aging-associated dysfunctions.

Authors are invited to submit manuscripts in all areas of current immunometabolism research, focusing either on basic or translational aspects, particularly related to aging and diseases. Studies addressing age-related changes in AMPK, sirtuins or mTOR pathways are explicitly encouraged. The Special Issue welcomes up-to-date hypotheses, reviews, research articles and short communications. Clinical studies combined with molecular research, if relevant, as well as computational modeling, are also welcome.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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