



Immunometabolic Disorders in Aging and Disease

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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.





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Message from the Editor-in-Chief

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