

Special Issue

Polyamines in Aging and Disease

Message from the Guest Editors

Polyamines are bioactive amines found in almost all living organisms and are essential for normal cellular functions. The number of polyamines in cells is tightly regulated by metabolism: biosynthesis, degradation, and transport. Recent studies have shown that disturbances in polyamine metabolism are associated with aging and disease. Age-related reductions in polyamines have been shown to lead to reduced cognitive and physical function. In cancer, on the other hand, high levels of polyamines have been suggested to lead to a worse prognosis. As the global population ages, there is a need for technologies to prevent and overcome aging and various diseases and to extend healthy life spans. The aim of this Special Issue is to deepen our knowledge of the relationship between polyamines and aging and disease. This Special Issue invites contributors to publish important work that will clarify the relationship between polyamines and aging and disease and extend the healthy life span by preventing and overcoming various diseases.

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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.

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