

Special Issue

Polyamine Metabolism and Function

Message from the Guest Editors

This Special Issue aims at discussing new insight into the molecular mechanisms regulating polyamine metabolism and polyamine functions in cellular pathophysiology. We welcome authors to submit original research or review articles that cover the following themes:

- Molecular mechanisms of polyamines metabolism regulation (including synthesis, catabolism and transport).
- Alteration of polyamine content in different cellular types and organs and their association to pathological conditions.
- Polyamines regulation/dysregulation in different model organisms.
- Polyamines in animal and cellular models of diseases.
- Mechanisms of polyamines dysregulation in a cancer model.
- Role of polyamines in neuronal diseases, including cognitive impairment, Alzheimer's and Parkinson's diseases, excitotoxicity.
- Role of polyamines in transcription regulation.
- Role of polyamines in epigenetic regulation.
- Role of polyamines in specific subcellular compartments (for example, but not restricted to mitochondria, peroxisomes, nucleus).
- Multiple roles of spermidine in cellular physiology and pathology.

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2023)



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About the Journal

Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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