Special Issue

Polyamine Drug Discovery

Message from the Guest Editors

Naturally occurring polyamines as well as synthetic polyamines affect various biological pathways through either activation or inhibition of these pathways. This indicates that polyamine research has a great potential in drug discovery for the treatment of different diseases. Many notable findings in this field have been concerned with the identification of polyamine analogues as chemopreventive and antiproliferative agents, antiparasitic compounds, neuroprotectants, and neurotransmitter receptor agonists/antagonists. This Special Issue "Polyamines in Drug Discovery" welcomes the submission of review and research articles related to the design, synthesis, and pharmacological characterization of new polyamine-based molecules that could underlie innovative approaches in drug development, for example, by targeting polyamine metabolism and transport or by acting as epigenetic modulators.

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Deadline for manuscript submissions

closed (29 February 2024)



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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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