

Special Issue

Hydrogen Sulfide and Polysulfides, Endogenous Mammalian Transmitters—Honorary Special Issue Commemorating the Work of Prof. Hideo Kimura

Message from the Guest Editor

This year marks the 25th anniversary of the publication of Professor Hideo Kimura's paper (J Neurosci, 16:1066, 1996), where he proposed that hydrogen sulfide (H₂S) biosynthesis in the brain may serve as an endogenous neuromodulator. This paper stimulated the interest of many scientists to explore the biological roles of H₂S, which, in previous centuries, was almost exclusively viewed strictly as an environmental toxin. In the past 25 years, intensive scientific work began to explore the biosynthesis and functional roles of H₂S as an endogenous mammalian enzymatic product in health and disease. This Special Issue is focused on the role of H₂S and polysulfides in the regulation of the various mammalian cells and tissues in health and disease. The Special Issue begins with a short review of Professor Kimura's contributions to the field, followed by original research articles and reviews on all aspects of the molecular mechanisms and functional action of H₂S and polysulfides in health and disease.

Guest Editor

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Deadline for manuscript submissions

closed (1 April 2022)



Biomolecules

an Open Access Journal
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Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/75374

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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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