



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

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### Message from the Guest Editor

Dear Colleagues,

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 (H<sub>2</sub>S) biosynthesis in the brain may serve as an endogenous neuromodulator. This paper stimulated the interest of many scientists to explore the biological roles of H<sub>2</sub>S, 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 H<sub>2</sub>S as an endogenous mammalian enzymatic product in health and disease.

This Special Issue is focused on the role of H<sub>2</sub>S 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 H<sub>2</sub>S and polysulfides in health and disease.

Prof. Csaba Szabo  
Guest Editor





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