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Role of the New Adipokine Hydrogen Sulfide in the Regulation of Metabolism and Obesity-Associated Diseases

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Deadline for manuscript submissions:
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Message from the Guest Editors

Obesity is a multifactorial pathology phenotypically defined by the abnormal and excessive deposition of visceral adipose tissue, accompanied by comorbidities that dramatically impact one's quality of life. H_2S has emerged as a new adipokine that, via S-sulfydration, is able to regulate crucial targets implicated in the regulation of metabolism and in the prevention/treatment of a number of obesity-associated diseases.

Therefore, this Special Issue aims to collect original research papers, as well as review articles, including perspectives from the field on the current standing of research into the role of endogenous H_2S in the regulation of metabolism and in the prevention of obesity-associated disorders. Moreover, the therapeutic potential of naturally or synthetically derived H_2S donors in this context is of interest. Reviews and original research reports providing insight into molecular mechanisms underlying the action of H_2S and H_2S-releasing agents in the regulation of metabolism as well as on the secretion of crucial mediators, which may improve our knowledge and lead to new therapeutic targets, are also welcome.

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Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of "oxidative stress" a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

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