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NO(NOx) and H2S

Guest Editor:

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Message from the Guest Editor

As we are aware, nitric oxide (NO) (its redox-related products-NO_x) and hydrogen sulfide (H_2S) are important signaling molecules produced in the body, playing major roles in the function as well as dysfunction of the nervous system, immune system, and circulatory system. In the cellular milieu, NO and H_2S react with each other as well as with oxygen and other biomolecules to form both stable and unstable derivatives that help mediate their physiological and pathological effects. However, the identity of the protein molecular target(s) of H_2S as well as the structure of the protein-modulating H_2S derivative(s) remains largely unknown. In addition, the crosstalk between NO- or H_2S-mediated cellular processes is poorly understood.

We welcome original contributions to this Special Issue covering all aspects of NO(NO_x) and H_2S signaling and on the *in vivo* detection of NO(NO_x), H_2S and its derivatives; protein targets implicated in signaling; and the metabolism of NO(NO_x) and H_2S. Studies examining the use of H_2S and related compounds in alleviating NO(NO_x)-induced pathologies are especially welcome.

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Editor-in-Chief

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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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