Special Issue

Advances for the NO/NOS System

Message from the Guest Editors

Following its important discovery, NO has been extensively studied for its important functions in physiological and pathological biological processes. NO acts as a neurotransmitter in the nervous system, facilitates phagocytosis, and contributes to the proper function of the reproductive system. In the vascular system, it has vasodilating effects, contributes to maintaining the integrity of the vascular barrier represented by vascular endothelial cells, prevents the adhesion of platelets and neutrophyls to the vascular wall, and prevents platelet aggregation. The enzyme responsible for NO formation in living tissues is represented by NO synthase (NOS). NOS can modulate the availability of NO in various tissues. The interplay between NO and NOS can represent the borderline between physiological and pathological processes. The enormous multiplicity of the NO/NOS system in terms of its role as a biological messenger merits further exploration of these molecules and their role in physiological and pathological processes. This Special Issue of *Antioxidants* aims to provide an update of this interesting and provocative subject.

Guest Editors

Prof. Dr. Adriana Bulboaca

Department of Pathophysiology, Iuliu Haţieganu University of Medicine and Pharmacy Cluj-Napoca, Victor Babeş Street, No. 2-4, 400012 Cluj-Napoca, Romania

Prof. Dr. Sorana D. Bolboacă

Department of Medical Informatics and Biostatistics, "Iuliu Haţieganu" University of Medicine and Pharmacy, Louis Pasteur Str., No. 6, 400349 Cluj-Napoca, Romania

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Antioxidants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
antioxidants@mdpi.com

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Alessandra Napolitano
Department of Chemical Sciences, University of Naples "Federico II", Via Cintia 4, I-80126 Naples, Italy

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