

## Special Issue

# Antioxidant Therapy in Cardiovascular Medicine: Bench to Bedside

### Message from the Guest Editors

Recently, the critical importance of oxidative stress in human pathology has gained recognition, which has lead to an upsurge in the use of antioxidants in the treatment and prevention of various human diseases, including cardiovascular diseases. Therefore, developing new strategies for site-specific antioxidative therapy for the prevention of cardiovascular disease is urgently needed. For instance, as mitochondria are the main source of ROS in all cell types/tissues, including cardiomyocytes, interventions to boost mitochondrial antioxidant capacity (e.g., use of mitochondria-targeted antioxidants) have been pursued as advanced approaches for treating various heart diseases. We welcome experts in this research field to share their original research, as well as methods, and opinions, on this topic, and/or to submit solid review papers and perspectives to bring forward hypotheses that provide new avenues for bridging the gap between advances in basic science and the development of new antioxidant therapies for cardiovascular disease, such as heart failure and cardiac arrhythmia.

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### Guest Editors

Dr. Jin O-Uchi

Dr. John P. Morrow

Prof. Dr. Samuel Dudley

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### Deadline for manuscript submissions

closed (30 September 2020)



## Antioxidants

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

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### 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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