Special Issue

Free Radicals, Antioxidants and Melanoma: Where Do We Stand?

Message from the Guest Editor

Oxidative stress is involved in the malignant transformation of normal melanocytes and the progression of melanoma. There is evidence that the UVA component of solar radiation further increases the DNA burden, not only by generating oxidative DNA damage but also by forming “dark CPDs” or CPDs originated in the absence of UVR. In this context, the use of antioxidants could constitute a viable strategy in melanoma prevention, since they could potentially mitigate the additional burden of “dark CPDs” in normal melanocytes. Melanoma cells are apparently well adapted to survive under conditions of elevated ROS by increasing the expression of endogenous antioxidant enzymes. Evidence supporting the role of antioxidants in suppressing melanoma growth, however, remains controversial. We invite you to submit your latest research findings or a review article to this Special Issue. We believe this issue will present the most recent advances in preclinical and clinical studies focusing on the central role of oxidative stress in the establishment and progression of melanoma, and current findings with the broad use of antioxidants.

Guest Editor

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Deadline for manuscript submissions

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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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