



DNA Damage, Oxidative Stress and Related Metabolic By-Products in Cancer and Environmental Studies

Guest Editors:

Prof. Dr. Marco E. M. Peluso

Cancer Risk Factor Branch,
Regional Cancer Prevention
Laboratory, Study, Prevention
and Oncology Network Institute
(ISPRO), 50139 Florence, Italy

Prof. Dr. Andrea Galli

Department of Experimental and
Clinical Biomedical Sciences,
University of Florence, 50139
Florence, Italy

Dr. Tommaso Mello

Department of Experimental and
Clinical Biomedical Sciences,
University of Florence, 50139
Florence, Italy

Message from the Guest Editors

Oxidative stress and associated reactive products have been shown to play a central role in carcinogenesis. It is conceivable that such cellular alterations could contribute to a general decline of the physiological mechanisms designed to maintain cellular homeostasis, including DNA damage, mutations, genomic instability, and the disturbance of critical pathways, such as transcription and replication.

Molecular epidemiology can play a major role in elucidating the multi-step transformation of normal cells to a malignant state, potentially leading to predictive biomarkers of cancer risk and carcinogen exposure. In this Special Issue, I would like to invite review and original articles that focus on the link between DNA damage, oxidative stress, and related metabolic by-products in cancer and environmental studies.

Deadline for manuscript
submissions:

closed (31 March 2020)





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI