

Special Issue

Environmental Factors and Lifestyle Influence on Human Health: The Contribution of Epigenetic Mechanisms

Message from the Guest Editor

Increasing evidence shows that environmental and lifestyle factors may be associated with a variety of human diseases. The search for a possible mechanism able to explain such associations has repeatedly pointed to epigenetics as a possible bridge between exposure and disease development. Epigenetic mechanisms are, in fact, flexible genomic parameters that can change genome function under exogenous influence but also provide a mechanism that allows for the stable propagation of gene activity states from one generation of cells to the next. In addition to what is strictly classified as epigenetics (for example DNA methylation, histone modifications and chromatin remodelling) other mechanism (such as microRNAs, extracellular vesicles) are starting to emerge as fundamental in this complex topic.

The goal of this Special Issue is to expand the current state of knowledge on these topics, to focus on the current gaps and help in the near future to bridge these gaps.

Guest Editor

Prof. Dr. Valentina Bollati

EPIGET-Epidemiology, Epigenetics and Toxicology Lab, Department of Clinical Sciences and Community Health, Università degli Studi di Milano, 20122 Milan, Italy

Deadline for manuscript submissions

closed (31 May 2019)



International Journal of Environmental Research and Public Health

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CiteScore 8.5
Indexed in PubMed



mdpi.com/si/19384

*International Journal of
Environmental Research and
Public Health*

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

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About the Journal

Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Paul B. Tchounwou

RCMI Center for Urban Health Disparities Research and Innovation,
Richard N. Dixon Research Center, Morgan State University, Baltimore,
MD 21251, USA

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