

Special Issue

Diseases Etiology and Management: Towards a Precision Medicine Approach

Message from the Guest Editor

In recent decades, the development of new technologies has modified our perspective of both the study of etiology and the management of diseases, driving us towards precision medicine. This is an emerging approach for disease treatment and prevention that takes into account variability in the genes, environments, and lifestyles of individuals. This new approach is based on molecular and bioinformatics developments, the use of new models of biomedical research, and the empowerment of patients and citizens as partners in healthcare research and organization. To date, this approach has led several researchers to identify new biomarkers of disease or of new targets for drug discovery and delivery. However, some barriers are still present in the application of precision medicine. In particular, the costs for individual studies and therapies are still too high, and some doctors and stakeholders are not yet prepared for this new approach. In this Special Issue, current knowledge, as well as new discoveries and future perspectives of the etiology and management of diseases with regard to precision medicine, will be discussed.

Guest Editor

Dr. Romina Combi

School of Medicine and Surgery, University of Milano-Bicocca, 20900 Monza, Italy

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

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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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