

Special Issue

Molecular Mechanisms of *Helicobacter pylori* Pathogenesis and Host Factors

Message from the Guest Editors

Helicobacter pylori is considered the most common etiologic agent worldwide in adults and children. It infects 50% of humankind and represents the most important risk factor for gastric malignancies. The evolution versus different gastric diseases is correlated with *H. pylori* features, including genomic plasticity, capacity for adaptation to individual host conditions, modulation of the reaction to the host immune system response, and presence and production of various virulence factors; and with host factors, for example, genetic background or physiological and immunological state, especially those that enhance or reduce the inflammatory response to the infection. In addition, environmental factors such as smoking, diet, high salt, and meat consumption could be implicated. This Special Issue has the goal to focus on new clinical, epidemiological, and experimental evidence as well as possible mechanisms of *H. pylori* and host factors involved in gastric and other diseases. Finally, it will review the known clinical indications for *H. pylori* vaccination.

Guest Editors

Dr. Teresa Fasciana

Department of Health Promotion, Mother and Child Care, Internal Medicine and Medical Specialities, University of Palermo, 90127 Palermo, Italy

Prof. Dr. Anna Giammanco

Department of Health Promotion, Mother and Child Care, Internal Medicine and Medical Specialities, University of Palermo, 90127 Palermo, Italy

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

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Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for 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, open access journal.

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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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