



***H. pylori* Virulence Factors in the Induction of Gastric Cancer**

Guest Editors:

Prof. Dr. Jean E. Crabtree

Molecular Gastroenterology
Section, Leeds Institute of
Biomedical and Clinical Sciences,
Wellcome Trust Brenner Building,
St. James's University Hospital,
Leeds LS9 7TF, UK

Prof. Dr. Silja Wessler

Department of Molecular Biology,
Division of Microbiology, Paris-
Lodron University of Salzburg,
Billroth Str. 11, A-5020 Salzburg,
Austria

Deadline for manuscript
submissions:

closed (31 January 2017)

Message from the Guest Editors

Dear Colleagues,

This review series provide the current knowledge on all essential aspects in the rapidly evolving area of *Helicobacter pylori* research. The reviews focus on the virulence factors of *H. pylori*: vacuolating cytotoxin A (VacA), which interacts with gastric epithelial cells and T cells; the cytotoxin associated gene A (CagA), which functions as an effector protein; and additional factors involve γ -glutamyl transpeptidase (GGT) or high temperature requirement A (HtrA) representing new players in the complex network of *H. pylori* mechanisms. The development of appropriate animal models of *H. pylori* infection has allowed in vivo analysis of the role of specific *H. pylori* virulence factors in neoplasia. These reviews target both clinicians and microbiologists. They provide an important up-to-date summary of our current knowledge of *H. pylori* factors and the multiple strategies of how it affects public health all over the world.

Prof. Dr. Jean E. Crabtree

Prof. Dr. Silja Wessler

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Jay Fox

Department of Microbiology,
University of Virginia,
Charlottesville, VA, USA

Message from the Editor-in-Chief

Toxinology is an incredibly diverse area of study, ranging from field surveys of environmental toxins to the study of toxin action at the molecular level. The editorial board and staff of *Toxins* are dedicated to providing a timely, peer-reviewed outlet for exciting, innovative primary research articles and concise, informative reviews from investigators in the myriad of disciplines contributing to our knowledge on toxins. We are committed to meeting the needs of the toxin research community by offering useful and timely reviews of all manuscripts submitted. Please consider *Toxins* when submitting your work for publication.

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](#), [MEDLINE](#), [PMC](#), [Embase](#), [CAPlus / SciFinder](#), [AGRIS](#), and other databases.

Journal Rank: JCR - Q1 (Toxicology) / CiteScore - Q1 (Toxicology)

Contact Us

Toxins Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/toxins
toxins@mdpi.com
[X@Toxins_Mdpi](#)