Special Issue

H. pylori Virulence Factors in the Induction of Gastric Cancer

Message from the Guest Editors

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 □-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.

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)

Toxins

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/6425

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

mdpi.com/journal/toxins

Toxins

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 8.2
Indexed in PubMed

mdpi.com/journal/toxins

About the Journal

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.

Editor-in-Chief

Prof. Dr. Jay Fox
Department of Microbiology, University of Virginia, Charlottesville, VA, USA

Author Benefits

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)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2025).

MDPI