

## Special Issue

# *Helicobacter pylori* Extracellular Proteins and Cell Surface Structures: Towards Novel Therapeutics

### Message from the Guest Editor

*Helicobacter pylori* maintains a cancer-promoting chronic infection of the human stomach via perfect adaptation to the harsh gastric environment, and by evading all host immune defences. While secreted soluble *H. pylori* proteins and structures coating the *H. pylori* cell surface play critical roles in both of these mechanisms of persistence, the biological functions of many of these factors remain to be elucidated. In light of increasing antimicrobial resistance, interception of these extracellular proteins or structures could hold the key to treating or preventing *H. pylori* infection and life-threatening associated gastric diseases.

This Special Issue focuses on the extracellular proteins and surface structures of *H. pylori* in relation to infection and disease. We welcome original research papers, comprehensive reviews and novel communications dealing with structure-function of *H. pylori* cell surface-bound or secreted soluble molecules, their diversity, their roles in host–pathogen interactions and immune evasion, and their potential for targeting in therapeutic and prophylactic strategies.

---

### Guest Editor

Dr. Terry Kwok

1. Infection and Immunity Program, Monash Biomedicine Discovery Institute, Department of Microbiology, Monash University, Clayton, VIC 3800, Australia
2. Infection and Immunity Program, Monash Biomedicine Discovery Institute, Department of Biochemistry and Molecular Biology, Monash University, Clayton, VIC 3800, Australia

---

### Deadline for manuscript submissions

closed (20 November 2024)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/170628](https://mdpi.com/si/170628)

*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

[mdpi.com/journal/  
ijms](https://mdpi.com/journal/ijms)





# International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/journal/  
ijms](https://mdpi.com/journal/ijms)



## About the Journal

### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

---

### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

---

### 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, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore  
- Q1 (Organic Chemistry)