

## Special Issue

# The Inflammatory and Immune Response to *Helicobacter pylori* Infection

### Message from the Guest Editors

*Helicobacter pylori* is generally regarded as a human pathogen and a carcinogen, responsible for about 15% of the total cancer burden globally and up to 90% of all gastric cancer cases. The induction of the innate immune response by *H. pylori* plays a critical role in the outcome of the infection. The pathophysiology of *H. pylori* infection and its clinical outcome should be viewed as a complex interaction between the host, the bacterium, and the gastrointestinal microbiota. Thus, there is a clear need for studies describing the factors that induce and regulate the immune response during *H. pylori* infection, for innovative approaches to *H. pylori* infection management.

This Special Issue will focus on the latest advances in understanding the induction and regulation of the inflammatory and immune response to *H. pylori* infection, as well as potential tools for its modulation and innovative eradication strategies, including but not limited to novel antibacterials, probiotics, postbiotic metabolites, phytochemicals, and bacteriophages.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 May 2025)



## International Journal of Molecular Sciences

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