

## Special Issue

# Advances in *Brucella* Infections

### Message from the Guest Editors

*Brucella* species are among the most important zoonotic pathogens, causing significant human disease and major livestock losses. These facultative intracellular bacteria invade host cells, persist intracellularly, and evade immune responses, resulting in chronic infections. Recent advances have deepened understanding of *Brucella* physiology, metabolism, and host interactions, enabling improved diagnosis, treatment, and prevention. The Special Issue seeks original research, reviews, and perspectives covering all aspects of *Brucella* infection and biology, from basic to translational and applied studies. **Topics of interest:** physiology, metabolism, genetic diversity; invasion, intracellular survival, persistence; virulence factors and immune evasion; host innate and adaptive immunity; novel vaccines; diagnostics and biomarkers; pathogenesis; epidemiology, transmission, OneHealth; treatment and control. Contributions that highlight recent advances to combat this zoonotic disease are welcome.

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### Guest Editors

Dr. Mariana Cristina Ferrero  
Dr. Jorge C. Wallach  
Dr. Pablo C. Baldi

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### Deadline for manuscript submissions

31 October 2026



## Tropical Medicine and Infectious Disease

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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

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