# **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, One Health; treatment and control. Contributions that highlight recent advances to combat this zoonotic disease are welcome.

# **Guest Editors**

Dr. Mariana Cristina Ferrero

Dr. Jorge C. Wallach

Dr. Pablo C. Baldi

# Deadline for manuscript submissions

28 February 2026



# Tropical Medicine and Infectious Disease

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Impact Factor 2.6
CiteScore 4.7
Indexed in PubMed



# mdpi.com/si/250251

Tropical Medicine and Infectious Disease Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 tropicalmed@mdpi.com

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# **About the Journal**

# Message from the Editor-in-Chief

### **Editor-in-Chief**

### Prof. Dr. John Frean

Pathologist, Parasitology Reference Laboratory, Centre for Emerging Zoonotic and Parasitic Diseases, National Institute for Communicable Diseases, University of the Witwatersrand, Johannesburg 2192, South Africa

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