

Special Issue

Thinking Inside the Host: Strategies of Facultative Intracellular Bacteria

Message from the Guest Editor

Facultative intracellular bacteria have evolved sophisticated mechanisms that allow them to invade host cells, evade immune defenses, hijack cellular processes, and utilize intracellular compartments as safe niches for replication and persistence. From *Acinetobacter baumannii* to *Salmonella*, *Listeria*, *Shigella*, *Escherichia coli*, *Legionella*, and others, these pathogens use the intracellular environment to their advantage, neutralizing intracellular antimicrobial defenses and eventually determining the fate of the host cell. This Special Issue welcomes original research articles and reviews that elucidate the molecular strategies these pathogens employ to invade, persist, and disseminate inside their eukaryotic hosts. Particular emphasis will be placed on intracellular trafficking, molecular mechanisms, immune evasion, niche establishment, and cell-to-cell spreading. We particularly welcome studies on the impacts of such intracellular lifestyles on antibiotic tolerance, chronic infections, and co-evolution with the host. Join us in advancing our understanding of how these microorganisms “*think inside the host*”.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics.

Pathogens is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

Editor-in-Chief

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