

## Special Issue

# Intracellular Bacterial Pathogens and Virulence

### Message from the Guest Editor

Intracellular bacterial pathogens are a highly diverse and medically relevant group of pathogens. Replication within host cells occurs through hijack and evasion of highly evolved degradative and cell-autonomous host cell pathways. Intracellular bacterial pathogens have evolved to replicate within specialized membrane-bound compartments or within the host cell cytosol. Pathogen-encoded virulence factors, such as secreted proteins, translocated effectors, and cell surface macromolecules permit evasion of host cell defenses and replication within host cells. Studies of virulence factors from intracellular pathogens have provided insight into potential antivirulence therapeutics, host cell biology, and cell autonomous defenses.

We invite you to submit primary research articles, review articles, or commentaries related to the broad scope of intracellular bacterial pathogen virulence strategies, virulence factor function, and the challenges of treating infection. This issue will complement the current literature on intracellular bacterial pathogens and their diverse virulence strategies.

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### Guest Editor

Dr. Stephanie Shames  
Division of Biology, Kansas State University

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### Deadline for manuscript submissions

closed (20 March 2022)



## Pathogens

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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.

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### Editor-in-Chief

Prof. Dr. Hinh Ly

Department of Veterinary & Biomedical Sciences, University of Minnesota, Twin Cities, MN, USA

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