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Novel Insights into Pathogenesis and Antimicrobial Resistance of *Salmonellae* 2nd Edition

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Deadline for manuscript submissions:
31 August 2024

Message from the Guest Editors

Salmonellae are Gram-negative organisms belonging to the family *Enterobacteriaceae*. More than 2500 serotypes have been described within the genus. Several animal species may act as reservoirs for *Salmonella* spp., including livestock animals, pets, and cold-blooded animals. Non-typhoidal salmonellosis in humans is usually due to the consumption of food of animal origin or contact with animals. Moreover, infections with invasive serotypes or multidrug-resistant strains may cause high morbidity and mortality with increased costs for therapy and long periods of hospitalization.

The focus of this Special Issue is to describe the mechanisms of pathogenesis of salmonellae, through innovative techniques of genome sequencing and in vivo and in vitro experimental models. Studies on mechanisms of antibiotic resistance and new control strategies other than antibiotics will also be considered.

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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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