



Acinetobacter Pathogenesis: From Bench to Bedside

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Message from the Guest Editor

Acinetobacter baumannii cause various human infections, including pneumonia, bacteremia, wound infections, meningitis and urinary tract infections. *Acinetobacter* species are inherently resistant to several antibiotics and capable of readily acquiring resistance, and clinical isolates can rapidly spread among patients and survive in the hospital environment.

As recent insights into molecular mechanisms of the host-pathogen interaction in *Acinetobacter* spp. show that host responses from professional phagocytes mainly contribute to the exacerbation of disease, an improved understanding of these responses in the laboratory is beginning to bridge the gap between bench and bedside. In addition, cellular microbiology and in vivo models used to study these pathogens have begun to shed light on the true causes of the virulence of these bacteria.

This Special Issue will present new evidence explaining the pathogenesis of *Acinetobacter*, explore new findings explaining transmission and infections in different types of patients in hospital settings and discuss the challenges and opportunities for research in the field of this genus.





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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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