



## Genomics and Systems Biology Perspectives in Bacterial Pathogenesis and Antimicrobial Resistance

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### Message from the Guest Editors

Dear Colleagues,

Given the increasing prevalence of antimicrobial resistance, bacterial infectious disease remains a severe threat to human health. Combat against bacterial infectious disease requires extensive knowledge of bacterial pathogenicity and antimicrobial resistance. The last decade has witnessed advances in genome sequencing, accompanied by the development of the related fields of genomics and systems biology, which has greatly facilitated bacterial research.

This Special Issue encourages the submission of original research, perspectives, and (mini)reviews that focus on the exploration of the mechanisms of bacterial pathogenesis and antimicrobial resistance at the whole genome level. Topics related to genome-based pathogen surveillance and epidemiological studies are also welcome.

Prof. Dr. Cheng-Hsun Chiu

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*Guest Editors*





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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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