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Aeromonas: Genome, Transmission, Pathogenesis, and Treatment

Guest Editor:

Dr. Li Zhang
School of Biotech & Biomolecular Science, UNSW Sydney, Sydney, Australia

Deadline for manuscript submissions:
closed (31 December 2024)

Message from the Guest Editor

Dear Colleagues,

Aeromonas species are Gram negative facultative anaerobes commonly found in aquatic ecosystems. Many Aeromonas species are human and animal pathogens, causing a variety of diseases such as gastrointestinal infection, wound infection and sepsis. Infection can be spread by multipleroutes.

Over the past decade, cutting-edge research in Aeromonas has contributed to enormous advances in our understanding of these bacteria, demonstrating their diverse metabolic and virulence capabilities that allow them to thrive in a wide range of hosts and habitats. In addition, an improved understanding of the interactions of Aeromonas with various organisms has demonstrated their important roles in both pathogenic and specific symbiotic relationships. Increased research is needed to provide scientific basis for the development of new prevention and treatment strategies and uncovering the novel pathogenic mechanism of Aeromonas in causing both human and animal diseases.

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Editor-in-Chief

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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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