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Modulation of Gut Microbiota & Microbiome in Pigs

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Message from the Guest Editors

This Special Issue invites focused reviews and original research in i) looking at how dietary such as exogenous enzymes, prebiotics and probiotics, therapeutics such as antibiotics and pharmacological levels of zinc oxide, and physiological factors such as cold or thermal stress affect porcine gut microbial diversity; ii) identifying specific bacterial species and viruses causing health and productivity concerns, such as weaning-associated gut dysbiosis, diarrhea, and growth lag; and iii) establishing possible causal relationships between functional outcomes, such as fiber digestion, fermentation of amino acids and biogenesis of major volatile odor compounds and antimicrobial resistance, and abundances of identified gut microbes at phylum or species level and rate-limiting microbial pathway genes in the porcine gut.



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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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