



Gut Microbiota and Growth and Health of Monogastric Farm Animals

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Message from the Collection Editors

Dear Colleagues,

Studies on human and mice microbiota have evidenced the relevance of a well-balanced and rapidly established microbiota community in the gut for the host health and well-being. The settlement of the gut microbiota in monogastric farm animals is a complex succession of events denoted by a longitudinal progression in time (birth to adult) and space (proximal to distal).

We invite original research papers that address improved methods for the study of the gut microbiota of monogastric farm animals, its progression during host life, and its adaptation to different segments of the digestive tracts. Also of interest are studies that introduce and test new methods to positively and rapidly manipulate the gut microbiota, assess its association with the efficiency of use of the diet by the animal and the impact on animal health and well-being, and unravel the mechanistic effects, including those related to the development of mucosa-associated lymphoid tissue. Additional topics may include the effect of breed, genetic lines, and individuals on the gut microbiota of monogastric farm animals, the development of more tailored and precise farming practices for animals.





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Message from the Editor-in-Chief

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