Understanding the Relationship between Microbiome and Health in Animals

Guest Editor:

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Message from the Guest Editor

An increasing number of studies have suggested that the microbiota is an essential component related to aspects of physiology in animals. The microbiota composition is dynamically shifted by various factors, including diet, stress and infection. Therefore, manipulation of the microbiota community is considered to be a promising new strategy to improve animal health. Having a beneficial microbiota composition protect animals from disease; however, the effects of the interaction between the host and microbes on animal health are not fully understook. In recent years, a significant body of evidence on the essential connection between animal health (immune) and the microbiome has been accumulated. The aim of the issue is to publish original research or review articles that cover the links between animal health and the microbiome with a focus on immunity and disease resistance. Areas of interest: alteration of the gut microbiome by dietary intervention to improve animal health or reduce stress; relationship between microbiota and health in animals; the microbiome as a biomarker for immunity or stress; role of gut microbiota signals in the regulation of animal immunity.

Special Issue

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Message from the Editor-in-Chief

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