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The Role of Gut Microbiome in Host Immunity

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Message from the Guest Editor

Dear Colleagues,

Gut microbial communities participate in role aspects of host biology, including development, nutrient absorption, immunity, and disease. Probiotics, which can regulate the balance of intestinal flora, promote intestinal epithelial barrier functions, increase an anti-inflammatory response, and contribute to the host's overall health, are used all over the world. However, the main mechanisms by which probiotic microorganisms can interact with the host are still not clear. In this regard, any studies on prebiotics and probiotics, gastrointestinal disorders, gut microbiota, host immunity, mucosa barrier, or other related fields, which aim to make a contribution to the role of gut microbiome in host immunity, are welcomed for this Special Issue.

Dr. Cuixiang Wan
Guest Editor



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Special *Issue*



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