



Pattern Recognition Receptors in Gastrointestinal Inflammation and Cancer

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Message from the Guest Editors

Dear Colleagues,

The host immune system is equipped with various pattern recognition receptors (PRRs), which sense pathogen- or danger-associated molecular patterns at the cell surface or inside the cell. PRRs, including toll-like receptors (TLRs), NOD-like receptors (NLRs), retinoic acid-inducible gene 1 (RIG-I)-like receptors (RLRs), and nucleic acid sensors, play critical roles in host defense against infections and inflammatory disorders. Genetic and experimental studies have linked gastrointestinal disorders, such as inflammatory bowel diseases, colorectal cancer, and liver diseases, to dysfunction in several PRRs. It appears that TLRs, NLRs, and other PRRs provide protection against these diseases through the regulation of various cell signaling pathways, immune responses, physiological functions, and gut microbiota composition. This Special Issue aims to collect original research and review articles representing recent advances on the role of different PRRs in colitis, colorectal cancer, and other gastrointestinal disorders.





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Message from the Editor-in-Chief

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