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Molecular Mechanisms of Chronic Intestinal Diseases in Response to Microbiota

Guest Editor:

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Deadline for manuscript
submissions:

closed (15 May 2022)

Message from the Guest Editor

Dear Colleagues,

Inflammatory bowel diseases (IBD) are chronic inflammatory disorders of the intestine, involving complex interactions between host and microbiota.

The composition of the microbiota can be influenced by a variety of environmental factors. An intestinal dysbiosis may induce aberrant interactions between gut epithelium and microbiota and result in inflammatory responses to commensal microbes. Among the action mechanisms implicated in these inflammatory responses are those involved in intestinal barrier function, innate immune recognition of microbial ligands (TLR, NOD receptors), antigen presentation, T-cell immunity, autophagy, reactive oxygen generation, goblet cell/mucin production, antimicrobial peptides, Paneth cells or inflammatory mediator production.

In this Special Issue of Cells, I invite you to contribute original research articles, reviews, or shorter perspective articles on all aspects related to the theme. Expert articles describing mechanistic, functional, cellular, biochemical, or general aspects of intestinal inflammation in response to microbiota are highly welcome.



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Special Issue



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