



Cellular and Molecular Mechanisms in Gastrointestinal Tract Disease

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Message from the Guest Editor

Dear Colleagues,

Diseases of the gastrointestinal tract encompass a wide range of disorders that affect the digestive system, and they have attracted the attention of researchers and health professionals around the world. The cellular and molecular mechanisms underlying these diseases involve various components of the gastrointestinal tract. Papers addressing gastrointestinal comorbidities are also welcome in this Special Issue. Cell targets are present in the epithelial barriers, mucosal tissues, accessory glands, immune system, enteric nervous system, neuromuscular junctions, and others. Molecular signaling includes mechanisms that regulate inflammation, fibrosis, aberrant immune responses, genetic susceptibility, abnormalities in the gut-brain axis, visceral hypersensitivity, pathogens, disruption of mucosa, cancer, smooth muscle abnormalities, and others. Understanding these cellular and molecular mechanisms is crucial for developing targeted therapies, diagnostic tools, and interventions for the diverse array of gastrointestinal diseases resulting in precision medicine and personalized treatment approaches.

Dr. Felipe Leite De Oliveira
Guest Editor





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Message from the Editor-in-Chief

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