

## Special Issue

# Cellular and Molecular Mechanisms in Gastrointestinal Tract Disease

### Message from the Guest Editor

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.

### Guest Editor

Dr. Felipe Leite De Oliveira

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## About the Journal

### Message from the Editor-in-Chief

*Biomedicines* (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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### Editor-in-Chief

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