



Gastroenterology Research and Practice

Special Issue on

Immunological Aspects of Gastrointestinal Diseases

CALL FOR PAPERS

The gastrointestinal tract is mainly an interface region between the internal part of our body and a luminal environment, hosting variety of microorganisms and their biomaterials. The aim of this special issue is to publish gastroenterology original works and comprehensive reviews in the areas of immunogenomics, immunoproteomics, and immunoglycomics, to understand regulatory pathways among them. The topics also include current advanced researches in immunology, microbiology, and molecular biology, representing the characteristics of gastroenterology with regards to the involvement of immune system. This special issue is mainly interested in gastrointestinal maintenance and functions and its pathophysiology features in diseases through basic features of innate and adaptive immunity.

We invite prospective investigators to contribute original research articles as well as review articles that will stimulate the continuing efforts to understand the molecular mechanisms of complex immunology in pathogenicity of diseases of gastroenterology. We welcome original researches on molecular mediators important for diagnosis and prognosis. System biology and integrational studies are also in the scope of this current special issue.

Potential topics include, but are not limited to:

- ▶ Autoimmunopathy
- ▶ Immunisation and vaccines
- ▶ Immune cell signaling
- ▶ Bacterial virulence mechanisms
- ▶ Mechanisms of microbial tolerance
- ▶ Features of host-microbial interactions
- ▶ Molecular aspects of immune regulation
- ▶ Neural pathway in gastrointestinal inflammation
- ▶ Interaction between endocrine and immune system
- ▶ Studies of immunomodulators and immunonutrients
- ▶ Immunological aspects of *Helicobacter pylori* infection
- ▶ Features of the immune system innate and adaptive immunity
- ▶ Holistic approaches for better management of diseases affecting the gastrointestinal tract
- ▶ Importance of immunological features in detection, evaluation, and therapy of gastroenterological diseases

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/grp/iagd/>.

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Manuscript Due

Friday, 5 August 2016

First Round of Reviews

Friday, 28 October 2016

Publication Date

Friday, 23 December 2016