

Special Issue

Gastrointestinal Motility and Neurogastroenterology

Message from the Guest Editor

Advances in the field of gastroenterology have led to elucidation and effective treatment of life-threatening diseases of the gastrointestinal tract, such as gastric cancers and colon cancers. On the other hand, disorders related to motility of the digestive tract are yet to be clarified. There are efficient measures for investigating gastrointestinal motility, such as 24 h multichannel intraluminal impedance pH monitoring and high-resolution manometry, and careful analyses of the data obtained from these procedures contribute to the understanding of the physiology behind functional disorders of the alimentary tract. Furthermore, studies conducted with the aforementioned measures revealed the involvement of hypersensitivity in some functional diseases. At a molecular level, interstitial cells of Cajal, which are distributed within the muscle layers of the gastrointestinal tract, mediate the communication between autonomic nerve systems and the smooth muscle of the digestive tract, and the dysfunction of these cells is considered to be related to disorders of gastrointestinal motility.

Guest Editor

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