

Special Issue

Advances in the Molecular Pathogenesis of Gastrointestinal Malignancies with Implications for Diagnosis and Therapy

Message from the Guest Editor

Gastrointestinal cancers, including colorectal, gastric, esophageal, pancreatic, and liver cancers, represent a major medical and economic burden worldwide, accounting for more than one-fourth of all cancer cases and one-third of cancer-related mortality. Although there has been much progress in screening colorectal cancer, the prognosis of other gastrointestinal cancers tends to be poor. Their worse prognosis is often due to the late onset of symptoms, diagnosis at advanced stages, and challenges in treatment. These cancers are characterized by critical genetic and epigenetic alterations, such as mutations in oncogenes and tumor suppressor genes, as well as dysregulation of key signalling pathways. The influence of the tumor microenvironment on cancer progression also contributes to therapeutic resistance. The aim of this Special Issue is to present new findings related to the molecular pathogenesis of gastrointestinal malignancies. We welcome both original research articles and comprehensive reviews focusing on emerging molecular biomarkers and potential clinical utility in early detection, prognosis, and the development of targeted therapies for these cancers.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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