

## Tentative Outline

### Special Thematic Issue for the journal **REVIEWS ON RECENT CLINICAL TRIALS**

## Gut microbiota and Cancer

**Section Editors:** Dr Somprakas Basu, Dr Satyavati Rana, Dr Manisha Naithani, Dr Farhanul Huda

- **Scope of the Thematic Issue:**

Considerable advances have been accomplished in our knowledge regarding complex interaction between gut and how it may regulate the development and progression of human cancers. But still lot remains to be unravelled. Numerous recent studies have highlighted the dual role of the gut microbiota in human health, producing numerous molecules to support health or microbiota subpopulations expanding and producing toxins, in turn, capable of triggering tumorigenesis. Not only this gut microbiota also interacts with the host either modulating directly the gut epithelium or the immune system.

Most recently, studies have shown that gut microbes may have role in getting better response from Anti-cancer immunotherapy. Overall, there is need to summarize and integrate all new findings with co existent one to gain insight into deregulated pathways, molecular mechanisms linking gut microbiota with cancer, their role in prediction of therapeutic response and ultimately prognosis in many cancers.

This special issue comprises of relevant articles focused on identification and study of potential and proven links of microbiota and cancer based on various means like genetic analysis, quantitation of microRNAs expression levels, and characterization of gene expression profiles in different types of cancer. This special issue would celebrate newer avenues to gain knowledge and to assist human war against cancer.

**Keywords:** Cancer biomarkers; Gut microbiota; MicroRNAs; Gene expression profiles; Protein expression profiles.

### Sub-topics:

The sub-topics to be covered within the issue should be provided:

- Cancer biomarkers
- Gut microbiota
- Gut microbiota signatures
- MicroRNAs
- Gene expression profiles
- Protein expression profiles

### Tentative titles of the articles and list of contributors:

Tentative titles of the articles and list of contributors with their names, designations, addresses and email addresses should be provided.

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Thematic issue submission deadline:

- ✧ Manuscript Submission October 15, 2020 to Jan 1, 2021
- ✧ Peer Review Due: March 31, 2021
- ✧ Final Manuscript Due: April 31, 2021
- ✧ Notification of Acceptance by the Guest Editor: August 15, 2021

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