Microbiome and Cancer

- Provides a substantial body of information to fill a gap in the current literature
- Covers a wide range of cancers, metabolic modulatory activities, immune responses, microbial signatures, and signaling activities
- Contributors are experts in their respective fields, bringing a wealth of knowledge to the edition
- Brings to light changing concepts in microbiology, its links to non-communicable diseases and how these changes may affect the initiation and persistence of these pathologies

This book ventures into a new and exciting area of discovery that directly ties our current knowledge of cancer to the discovery of microorganisms associated with different types of cancers. Recent studies demonstrate that microorganisms are directly linked to the establishment of cancers and that they can also contribute to the initiation, as well as persistence of, the cancers. Microbiome and Cancer covers the current knowledge of microbiome and its association with human cancers. It provides important reading for novices, senior undergraduates in cancer and microbiology, graduate students, junior investigators, residents, fellows and established investigators in the fields of cancer and microbiology. We cover areas related to known, broad concepts in microbiology and how they can relate to the ongoing discoveries of the micro-environment and the changes in the metabolic and physiologic states in that micro-environment, which are important for the ongoing nurturing and survival of the poly-microbial content that dictates activities in that micro-environment. We cover the interactions of microorganisms associated with gastric carcinomas, which are important for driving this particular cancer. Additional areas include oral cancers, skin cancers, ovarian cancers, breast cancers, nasopharyngeal cancers, lung cancers, mesotheliomas, Hodgkin’s and non-Hodgkin’s lymphomas, glioblastoma multiforme, hepatocellular carcinomas, as well as the inflammatory response related to the infectious agents in cancers.

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