

Special Issue

The Multifaceted Microbiome in Health and Disease

Message from the Guest Editor

There are trillions of microorganisms living in the human body. It is well known that microbes play a considerable role in health and diseases. The dysbiotic microbiome has direct and indirect effects on disease progression through a decrease in beneficial microbes and increases in pathogenic ones. The microbiome plays various roles, from producing metabolites that impact disease progression, to influencing the efficacy of treatments. Microbiome research has advanced to other levels, including disease diagnosis, prevention, intervention, treatment by fecal microbiota transplantation, and adjuvant treatment during chemotherapy or immunotherapy. In this regard, ethical issues have emerged surrounding the application or manipulation of the human microbiome for diagnosis, prevention, intervention, and treatment. In this Special Issue, we would like to shed light on the roles of the microbiome in health and diseases, and research on microbiome at different levels including etiology, diagnosis, prevention, intervention, treatment, and the related ethical issues. We welcome original research articles and reviews on any aspects of the microbiome in health and diseases.

Guest Editor

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About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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