



cells



an Open Access Journal by MDPI

The Multifaceted Microbiome in Health and Disease

Guest Editor:

Dr. Jessie Qiaoyi Liang

Department of Medicine and Therapeutics, Centre for Gut Microbiota Research, Faculty of Medicine, Li Ka Shing Institute of Health Science, CUHK Shenzhen Research Institute, The Chinese University of Hong Kong, Hong Kong, China

Deadline for manuscript submissions:

closed (15 May 2023)

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.



mdpi.com/si/124612

Special Issue



cells



an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Alexander E. Kalyuzhny

Neuroscience, UMN Twin Cities,
6-145 Jackson Hall, 321 Church St
SE, Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch

Biotech Research & Innovation
Centre, The University of
Copenhagen, Copenhagen,
Denmark

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [CAPus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Cell Biology*) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

Contact Us

Cells Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/cells
cells@mdpi.com
[X@Cells_MDPI](#)