

## Special Issue

# Gut Microbiome and Human Diseases

### Message from the Guest Editors

The gut microbiome is the most densely populated microbial site on or within the human body and exerts immunological, protective and metabolic effects on the host, with a disruption to the balanced relationship posited to be involved in the pathogenesis of various diseases including liver, intestinal, metabolic, mental, immunological disorders and cancer. The posited mechanism of action is that microbial translocation due to increased intestinal permeability can induce a state of metabolic endotoxemia when bacteria and bacterial fragments leak into systemic circulation and cultivate a pro-inflammatory environment in various organs.

This special issue will aim to explore the current understanding of the role of the gut microbiome in the pathogenesis of liver, intestine, metabolic, mental and immunological disorders as well as research exploring how it can be manipulated with probiotics/prebiotics and antibiotics designated as adjunct medicines could beneficially help to treat these variable human diseases.

---

### Guest Editors

Prof. Dr. Hiroshi Fukui

Prof. Dr. Luis Vitetta

Ms. Emma Tali Saltzman

---

### Deadline for manuscript submissions

closed (31 December 2018)



## Diseases

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 3.7  
Indexed in PubMed



[mdpi.com/si/12505](https://mdpi.com/si/12505)

*Diseases*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[diseases@mdpi.com](mailto:diseases@mdpi.com)

[mdpi.com/journal/  
diseases](https://mdpi.com/journal/diseases)





# Diseases

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 3.7  
Indexed in PubMed



[mdpi.com/journal/  
diseases](https://mdpi.com/journal/diseases)



## About the Journal

### Message from the Editor-in-Chief

*Diseases* is an international, peer-reviewed, open access, multidisciplinary journal that focuses on the latest outstanding research concerning diseases and conditions. Research articles, reviews, and other contents are released on the Internet immediately after acceptance. This journal aims to cover international conferences and symposia as new targets.

*Diseases* is increasingly gaining acceptance and visibility within scholars, and after only a few years of life, *Diseases* is now also covering specific topics with dedicated special issues. We would be pleased to welcome you as one of our authors.

---

### Editor-in-Chief

Prof. Dr. Omar Cauli

Frailty and Cognitive Impairment—FROG Research Group, University of Valencia, 46010 Valencia, Spain

---

### Author Benefits

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), PubMed, PMC, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Medicine, Research and Experimental)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2025).