

# Special Issue

## Leaky Skin Syndrome

### Message from the Guest Editor

The main origin for leaky gut syndrome is dysbiosis, characterized in the gut by a decrease in microbial diversity with the expansion of specific bacteria, which can trigger bloating, depression, IBS, and eventually even cancer. The composition of the gut microbiota is dynamic and influenced by a number of regulators: the microbiota itself through diversity and end balance, diet, the quality of intestinal mucosa, mucus, stress, and the immune system. The gut microbiota plays a critical role in digestion, the production of hormones and vitamins, inhibiting the growth of pathogens, and assisting with drug and toxin metabolism. A number of diseases, including inflammatory bowel diseases as well as metabolic disorders such as obesity and diabetes type II, are associated with intestinal dysbiosis.

A leaky epithelium is the new source of inspiration for explaining and fighting chronic and infectious diseases. In this Special Issue, we aim to focus on research in this field, which could provide a new application of microbiome unbalance.

---

### Guest Editor

Dr. Lionel Breton

Former Scientific Director L'Oreal Research, Cilia Consulting CEO, IDEC Therapeutic (Telostim.com) CSO, Paris, France

---

### Deadline for manuscript submissions

closed (31 October 2024)



## Microorganisms

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.2  
CiteScore 7.7  
Indexed in PubMed



[mdpi.com/si/185173](https://mdpi.com/si/185173)

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

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





## Microorganisms

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.2  
CiteScore 7.7  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

---

### Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular Toxicology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

#### Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).