

# Special Issue

## Microbiota and Immune System Crosstalk 2020

### Message from the Guest Editors

Almost a century has passed since Paul de Kruif, in 1926, published his "Microbe Hunter" in which he narrated the first heroes of microbiology. This narrative reflected our idea of a relationship with the microbial world, similar to a war and quite different from the relationship of beneficial mutualism that scientific studies have been demonstrating in recent years. This vision continued unchanged until the early years of this century, considering only some bacteria of our organism as useful to facilitate some intestinal functions and little else. The purpose of this Special Issue is a collection of scientific contributions for understanding the role of the microbiota and the microbiome in the regulation of the immune system, as well as its possible manipulation by diet and probiotics. Original articles and extensive reviews are preferable, but any type of article, including those on the history of microbiology and the immune system, is welcome.

---

### Guest Editors

Prof. Dr. Andrés Moya

Prof. Dr. Luigi Santacroce

Prof. Paolo Maggi

---

### Deadline for manuscript submissions

closed (30 June 2021)



## Biology

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 7.4  
Indexed in PubMed



[mdpi.com/si/36823](https://mdpi.com/si/36823)

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

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





# Biology

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 7.4  
Indexed in PubMed



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



## About the Journal

### Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

---

### Editors-in-Chief

Prof. Dr. Jukka Finne

Research Programme in Molecular and Integrative Biosciences, Faculty of Biological and Environmental Sciences, University of Helsinki, P.O. Box 56, FI-00014 Helsinki, Finland

Prof. Dr. Andrés Moya

Integrative Systems Biology Institute, University of Valencia and CSIC, 46980 Valencia, Spain

---

### Author Benefits

#### High Visibility:

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

#### Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (General Agricultural and Biological Sciences)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.4 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2025).