

# Special Issue

## Editorial Board Members' Collection Series: Cell Signaling in Health and Disease

### Message from the Guest Editors

The pathogenesis of virtually all disease originates from an impairment of cell differentiation. This, in turn, determines the alteration of tissue homeostasis and defecting organ remodeling. Physicians and researchers need to have good knowledge about cell biology and morphology to investigate the molecular basis of disease and develop new therapeutical strategies. We invite the submission of original research articles and reviews to this Special Issue focusing on the wide subject of “cell signaling” in health and disease, including discussions not only of adult life but also of pre-natal (embryo & fetus) and childhood ages. An impairment in cell signaling can cause transformation of a healthy tissue into a damaged organ at any point in a lifespan (including ageing) and in all anatomical districts, such as the heart, nervous system, liver, kidney, skeletal muscle, and many other viscera. This Special Issue aims to offer to our readers novel knowledge about cell signaling in health and disease. We look forward to receiving your contributions.

### Guest Editors

Prof. Dr. Michael J. Bouchard

College of Graduate Studies, Medical University of South Carolina,  
Charleston, SC 29425, USA

Prof. Dr. Francesco Cappello

Department of Biomedicine, Neuroscience and Advanced Diagnostics  
(BIND), University of Palermo, 90127 Palermo, Italy

### Deadline for manuscript submissions

closed (30 June 2025)



## Biology

an Open Access Journal  
by MDPI

Impact Factor 3.5  
CiteScore 7.4  
Indexed in PubMed



[mdpi.com/si/157749](https://mdpi.com/si/157749)

*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).