

## Special Issue

# From Basics to Applications of Gene Regulatory Networks

### Message from the Guest Editor

Understanding how genes are regulated within cells is crucial in the field of cell biology. Gene regulatory networks play a central role in this process, dictating when and how genes are expressed, which in turn affects cellular functions and overall development. Investigating these networks has become essential for uncovering basic biological processes and their relevance to health and disease. We are pleased to invite you to contribute to a Special Issue delving into the depths of gene regulatory networks and their applications. This Special Issue aims to explore the complexity of gene regulatory networks and investigate their role in various biological systems. Our goal is to provide insights on the complex structure of gene regulation in order to uncover new information about how cells operate and the processes underlying disease.

### Guest Editor

Dr. Thomas Ulas

Platform for Single Cell Genomics and Epigenomics (PRECISE),  
University of Bonn and Deutsches Zentrum für Neurodegenerative  
Erkrankungen e.V., 53127 Bonn, Germany

### Deadline for manuscript submissions

15 June 2026



## Biology

an Open Access Journal  
by MDPI

Impact Factor 3.5  
CiteScore 7.4  
Indexed in PubMed



[mdpi.com/si/204969](https://mdpi.com/si/204969)

*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).