



## Cancer and Signalling: Targeting Cellular Pathways

Guest Editor:

**Dr. Ahmed Elbediwy**

Department of Biomolecular  
Sciences, Kingston University,  
Kingston upon Thames KT1 2EE,  
UK

Deadline for manuscript  
submissions:

**15 May 2024**

### Message from the Guest Editor

Dear Colleagues,

Within all types of organisms there are fundamental cellular processes being orchestrated continuously in the background, resulting in the regulation of various signalling pathways. These pathways result in many cellular functions, including proliferation, cell–cell adhesion, extracellular matrix signalling, mechanotransduction, polarity and apoptosis, all of which are fundamental within cells. If these pathways dysfunction, then this can result in disease formation, including cancer. **This Special Issue welcomes the submission of articles and reviews which cover a wide range of signalling pathways and examine how any disruption to these pathways can lead to cancer.**

I hope that we will try to expand upon what is currently known in the signalling field in this Special Issue by looking at new cutting-edge findings, which will hopefully shed some light on how signalling can control cancer progression, and possibly make us understand how we can combat this debilitating disease.

Dr. Ahmed Elbediwy  
*Guest Editor*





an Open Access Journal by MDPI

## 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

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

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

**Journal Rank:** JCR - Q2 (*Biology*) / CiteScore - Q1 (*General Agricultural and Biological Sciences*)

## Contact Us

*Biology* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/biology](http://mdpi.com/journal/biology)  
[biology@mdpi.com](mailto:biology@mdpi.com)  
X@Biology\_MDPI