

Special Issue

Signalling Pathways in Cancer and Disease

Message from the Guest Editors

Cellular signalling pathways control essential biological functions such as proliferation, adhesion, mechanotransduction, polarity, and apoptosis. Their **precise regulation** is critical for maintaining tissue homeostasis. **Aberrant signalling** is a hallmark of cancer, driving tumor initiation, progression, metastasis, and treatment resistance. Understanding the **molecular mechanisms** behind these disruptions is vital for identifying **novel therapeutic targets**. This Special Issue welcomes **original research and reviews** exploring:

- **Molecular alterations** in key signalling pathways in cancer
- **Mechanistic studies** on tumour progression and metastasis
- **Therapeutic strategies** targeting dysregulated signalling
- Approaches in **modulating pathway activity** to improve treatment response

Our aim is to promote cutting-edge research that enhances our understanding of **signalling dynamics in cancer biology** and supports the development of **translational solutions** for cancer therapy. **Submit your work to contribute to this timely and impactful collection.**

Guest Editors

Dr. Ahmed Elbediwy

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

Dr. Nadine Wehida

Department of Biomolecular Sciences, School of Life Sciences, Pharmacy and Chemistry, Kingston University London, Kingston-upon-Thames KT1 2EE, UK

Deadline for manuscript submissions

30 September 2026



Biology

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.4
Indexed in PubMed



mdpi.com/si/248183

Biology
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biology@mdpi.com

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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.

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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

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