

## Special Issue

# Molecular Underpinnings of Cancer: Pathways to Targeted Therapy

### Message from the Guest Editors

This Special Issue aims to advance our understanding of the molecular events governing cancer development and progression, providing a comprehensive platform of high-impact research. We welcome original articles, reviews, and perspectives covering a broad spectrum of topics, including (but not limited to) the following:

- Oncogenes and tumor suppressors.
- Epigenetic modifications and chromatin remodeling.
- Roles of non-coding RNAs in cancer.
- Tumor microenvironment interactions.
- Dysregulated signaling pathways.
- Cancer metabolism and metabolic reprogramming.
- Mechanisms of DNA damage and repair.
- Liquid biopsy biomarkers.
- Novel molecular targets for precision oncology.

By bringing together molecular biologists, oncologists, and translational researchers, this Special Issue seeks to foster multidisciplinary dialogue and innovative findings, potentially linking fundamental discoveries with clinical applications. Our ultimate goal is to provide both a resource and inspiration for advancing molecular oncology in the era of personalized medicine. We look forward to your valuable contribution and encourage you to submit your manuscript for consideration.

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### Guest Editors

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### Deadline for manuscript submissions

30 September 2026



## Life

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## About the Journal

### Message from the Editor-in-Chief

*Life* (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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### Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

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