

Special Issue

Precision Approaches in Solid Tumor Oncology: From Molecular Pathways to Therapy Response

Message from the Guest Editors

Solid tumors represent a highly heterogeneous group of diseases in which clinical behavior and treatment response are shaped by a complex interplay of molecular alterations and histopathological features. Recent advances in genomics, transcriptomics, and digital pathology have deepened our understanding of tumor biology, while classical and emerging histological and immunohistochemical approaches continue to play an essential role in accurate diagnosis, tumor characterization, and therapeutic decision-making. The integration of these complementary approaches is central to modern precision oncology. This Special Issue aims to showcase the latest developments in the characterization of solid tumors and their implications for individualized patient care. We welcome original research and review articles covering molecular mechanisms of tumor progression, predictive and prognostic biomarkers, therapeutic resistance, innovative diagnostic tools, and translational strategies that bridge basic science with clinical practice. Contributions related to histology, immunohistochemistry, multi-omics integration, liquid biopsy, spatial biology, and emerging therapeutic approaches are encouraged.

Guest Editors

Dr. Cristina Díaz del Arco

1. Department of Legal Medicine, Psychiatry and Pathology, School of Medicine, Complutense University of Madrid, 28040 Madrid, Spain
2. Department of Pathology, Hospital Clínico San Carlos; Health Research Institute of the Hospital Clínico San Carlos (IdISSC), 28040 Madrid, Spain

Dr. Luis Ortega-Medina

Department of Pathology, Hospital Clínico San Carlos, Health Research Institute of the Hospital Clínico San Carlos (IdISSC), 28040 Madrid, Spain

Deadline for manuscript submissions

31 October 2026



Life

an Open Access Journal
by MDPI

Impact Factor 3.4

CiteScore 6.0

Indexed in PubMed



mdpi.com/si/261907

Life

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

mdpi.com/journal/life





Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



[mdpi.com/journal/
life](http://mdpi.com/journal/life)

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.

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona Institute of Science and Technology, 08028 Barcelona, Spain

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, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)

