

Special Issue

Advanced Technologies and Clinical Practice of Cancer Radiotherapy

Message from the Guest Editor

Recent years have witnessed notable advancements in cancer radiotherapy, including in vivo dose verification for gamma and proton therapies, the development of novel proton accelerators for proton, boron, and other elements in neutron capture therapy (BNCT and NCT), the introduction of arc technology in proton therapy, and the design of new boron-containing compounds for BNCT, among others. These technologies are increasingly being integrated into clinical radiation therapy. Concurrently, several innovative approaches remain in preliminary stages, encompassing basic research, simulation, development, or certification prior to clinical implementation. This Special Issue aims to showcase publications addressing this dynamic field. We particularly welcome submissions from collaborative teams comprising both basic researchers and clinicians. Original research articles are preferred over review papers.

Guest Editor

Prof. Dr. Marcin Balcerzyk

1. Department of Medical Physiology and Biophysics, Faculty of Medicine, University of Seville, 41004 Sevilla, Spain
2. National Accelerators' Center, University of Seville, 41004 Sevilla, Spain

Deadline for manuscript submissions

26 June 2026



Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/256561

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

mdpi.com/journal/

[life](https://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](https://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, CAPIus / SciFinder, and other databases.

Journal Rank:

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