

Special Issue

Autophagy and Cancer 2022

Message from the Guest Editors

As a basic homeostatic and catabolic process, autophagy is responsible for the degradation and recycling of proteins and cellular components. The mechanism of autophagy has a crucial role in several cellular functions and its dysregulation is associated with tumorigenesis and resistance to cancer therapy. The Special Issue aim to understand and illuminate the role of autophagy in the tumor microenvironment in order to strengthen the response of the immune system and overcome anti-tumor immune resistance in immunotherapy. The special issue includes:

- The role of autophagy in tumor microenvironment;
- The role of autophagy as regulator of immune responses;
- Immune-related signaling molecules that regulate autophagy;
- The effect of autophagy on modulate immune system components, mainly containing natural killer (NK) cells, macrophages, dendritic cells (DCs), and T and B lymphocytes;
- How autophagy enhances or attenuates the effect of immunotherapy;
- How to regulate autophagy to strengthen innate and adaptive immune responses and overcome anti-tumor immune resistance in immunotherapy for tumors.

Guest Editors

Dr. Evangelos Koustas

Oncology Department, General Hospital Evangelismos, Ipsilantou 45-47, 106 76 Athens, Greece

Dr. Panagiotis Sarantis

Molecular Oncology Unit, Department of Biological Chemistry, National and Kapodistrian University of Athens, Athens, Greece

Deadline for manuscript submissions

closed (1 May 2022)



Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/106434

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)